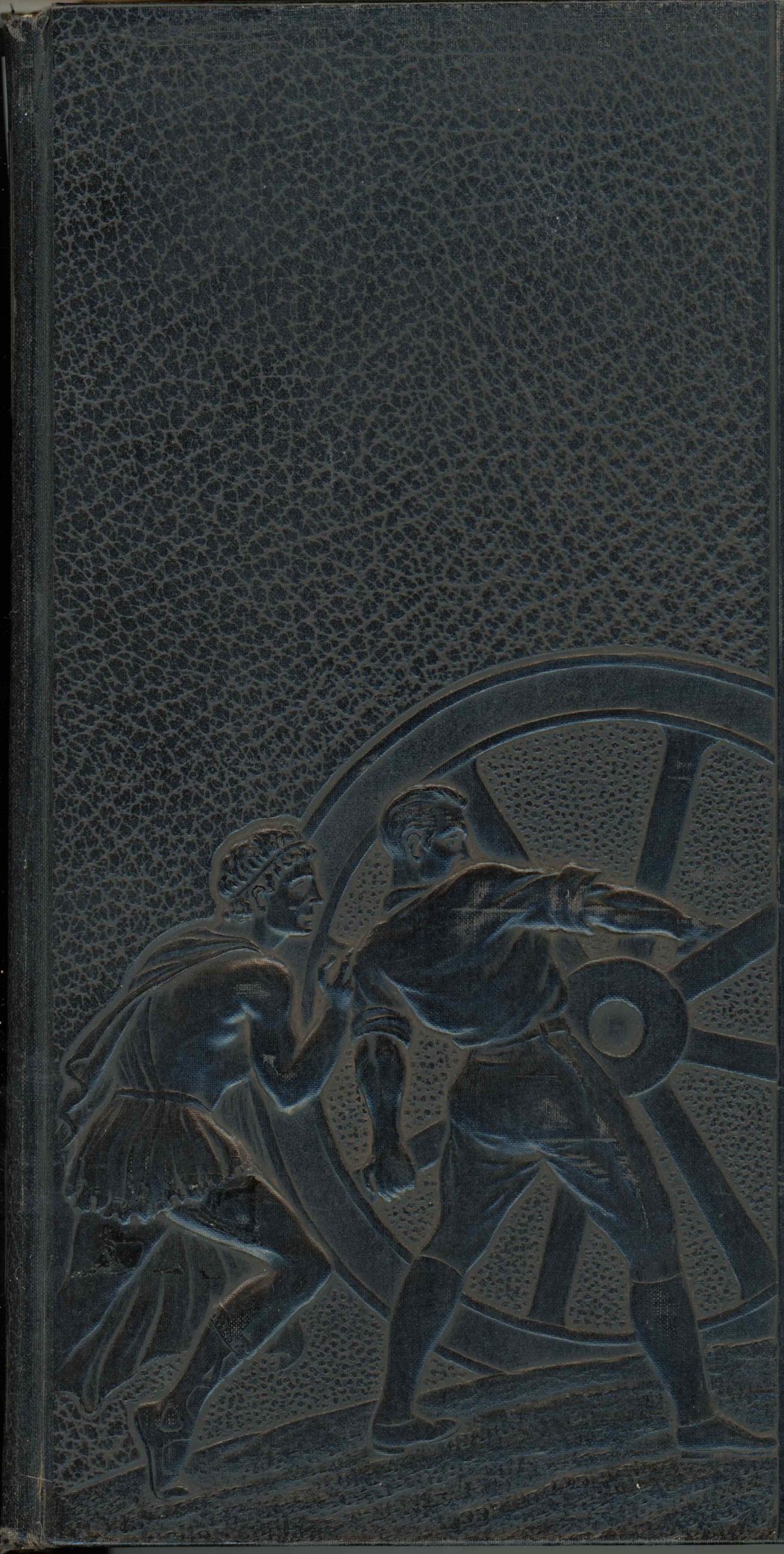
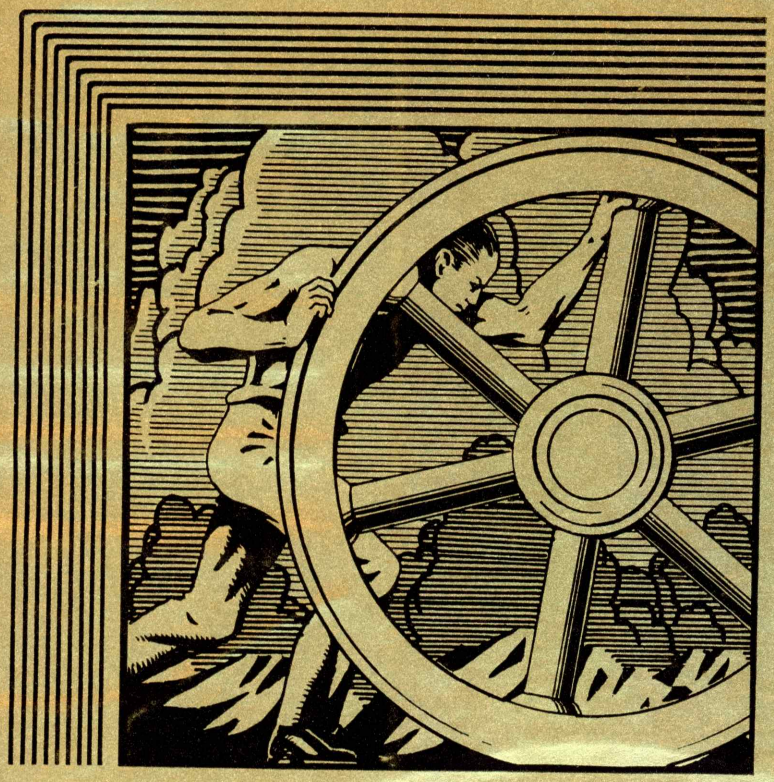


THE CABLE

NINETEEN HUNDRED AND THIRTY THREE



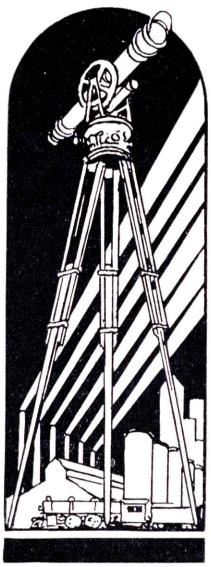
THE ENGINEER: MAKER OF

ETROPOLIS

THE NINETEEN HUNDRED AND THIRTY THREE CABLE

PUBLISHED BY THE JUNIOR CLASS OF COOPER UNION

COOPER SQUARE
NEW YORK, N.Y.



DEDICATION

To ABRAM STEVENS HEWITT, builder, statesman, and humanitarian, we dedicate THE 1933 CABLE.

A close friend and relative by marriage of our illustrious founder, Peter Cooper, Abram Hewitt gave unstintingly of time and funds to the advancement of the Cooper Union. By the application of methods tested by long experience, he became one of New York's leading figures. By furthering new ideas he made this city a better place to live in. Always willing to employ new methods when such new methods meant a favorable change, he fearlessly staked his political career against the seemingly invincible forces of municipal corruption. As a result the city was rid of a vast machine of political parasites. Ever intensely interested in engineering enterprises, he furthered the building of municipal subways, bridges, tunnels and the like.

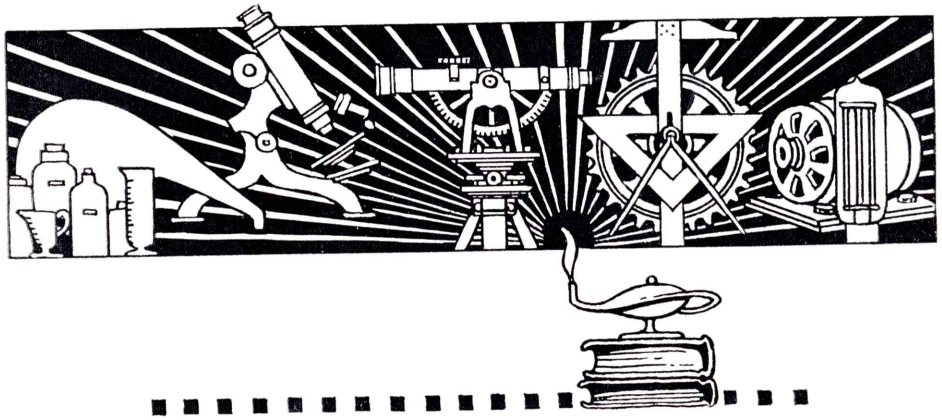
May the school he loved keep alive the memory of his name and his deeds!

The THEME

HE who would search for the truth must necessarily employ the laws of Science. These laws manifest themselves in the numerous expressions of determined relationships between physical quantities, whereby Man may predict and control natural and physical phenomena. A very striking and important observation is that these relationships form a series of simultaneous equations, which apparently have a common solution. Professor Einstein's mysterious equations, we are told, tend to prove this unity in Nature.

We of this CABLE of 1933 have endeavored to portray between the covers of this volume another unity; one to which the present high station of Engineering is due. Man's quest for knowledge has ever been one of expansion; the establishment of that Temple of Learning built on a foundation of past experience. To those, who worked so well and achieved so much in the early days of Civilization, who had to overcome Fear and Superstition, and who gave us so much to work with, we pay sincere tribute.

And if the work of some of us shall be stepping stones to others yet to come, perhaps the suggested unity of Nature may be solved and this Earth made a better place to live upon. May our efforts mean to the Future what the labors of the Past mean to us.



CONTENTS

THE SCHOOL

THE ADMINISTRATION

THE CLASSES

THE ACTIVITIES

THE FRATERNITIES

THE ROSTER

CHARACTER
VISION
SCIENCE
PERSEVERANCE
HUMANITY
ACHIEVEMENT

THE SCHOOL

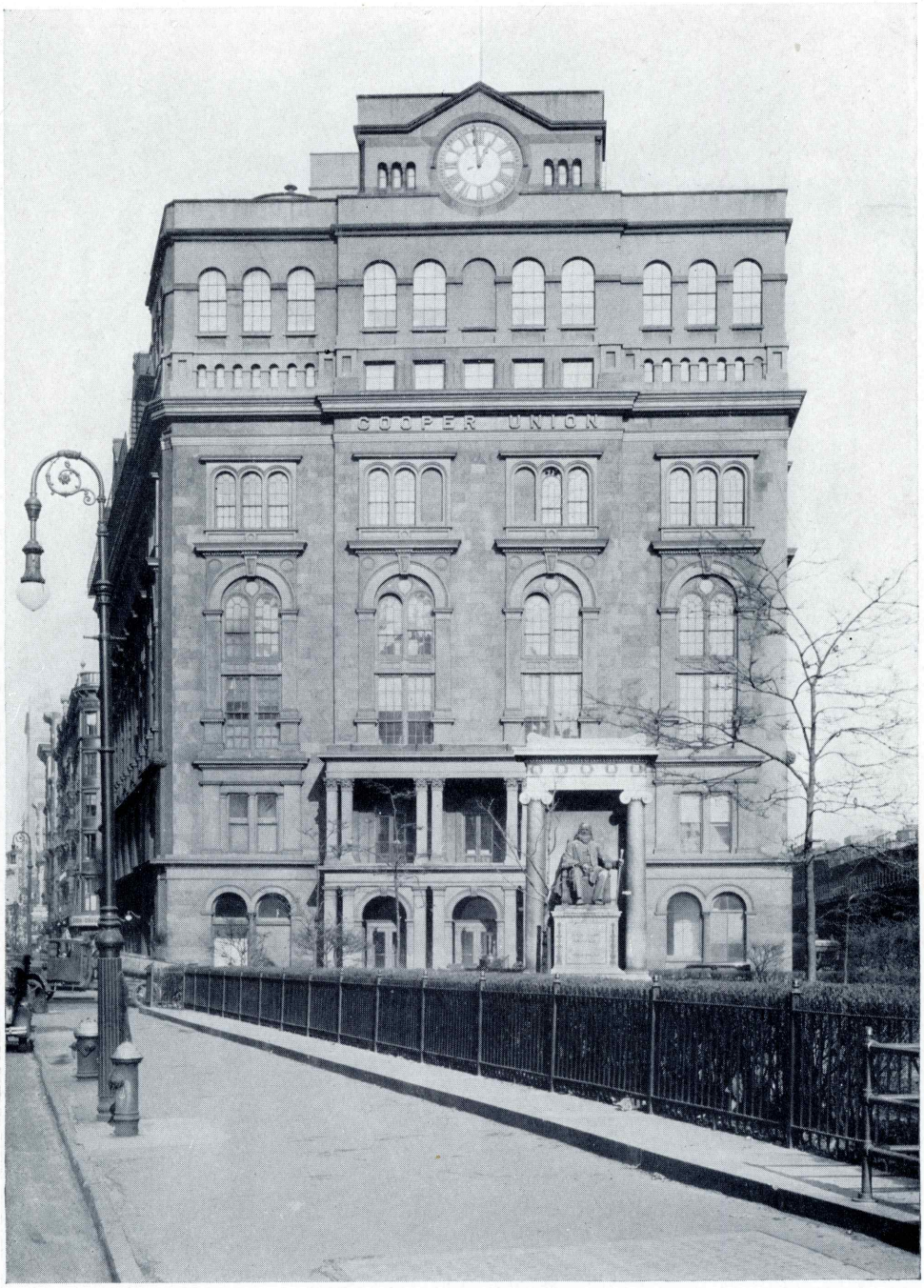
CHEMICAL ENGINEERING

IN Greece, more than twenty-three centuries ago, Aristophanes, in his play "The Clouds," pictured an Athenian chemist's shop. There he displayed the scientific apparatus of his day, including a burning glass, that glass which in the hands of Priestley was to give birth to modern chemistry in the year 1774.

The very beginning of the chemical industry may be traced to man's discovery of fire and his utilization of fire to bake crude vessels molded from clay. The ceramic industry focused on the art of heating and the search for metal pigments to color and decorate pottery. The fashioning of bronze, copper and iron instruments depended upon a knowledge of metallurgy which, although crude, served the purposes of Roman emperors in equipping their armies. The period before the Renaissance was clouded by the speculations of the alchemists stumbling into many fruitful discoveries. Thus, by chance discoveries, a maze of facts was established, from which emerged the science of Chemical Engineering.

Today empiricism is being supplanted by science through relentless research, and the chemical industries are being placed upon a firm physico-chemical basis. Exact scientific knowledge is being applied to the production of steel, rustless alloys, food products, fabrics, refrigerants, and many other articles which make possible a high standard of living for a large population.

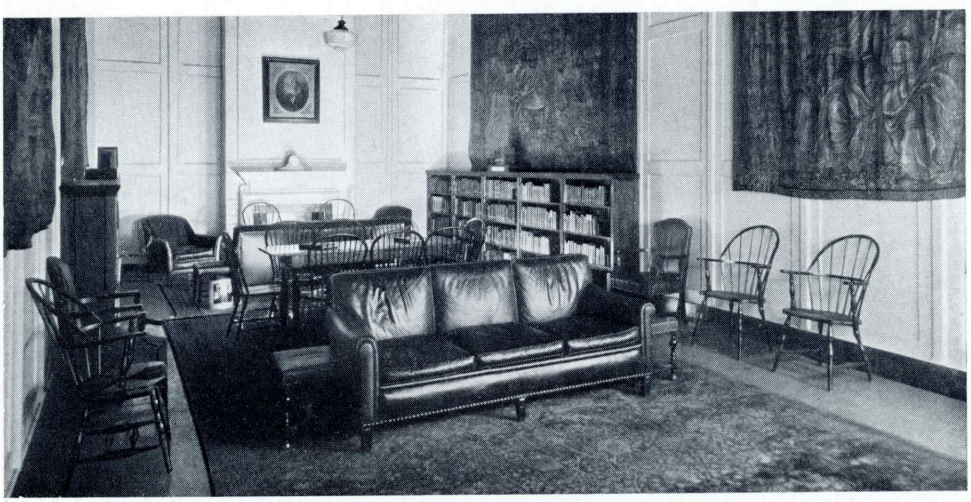
CHEMICAL



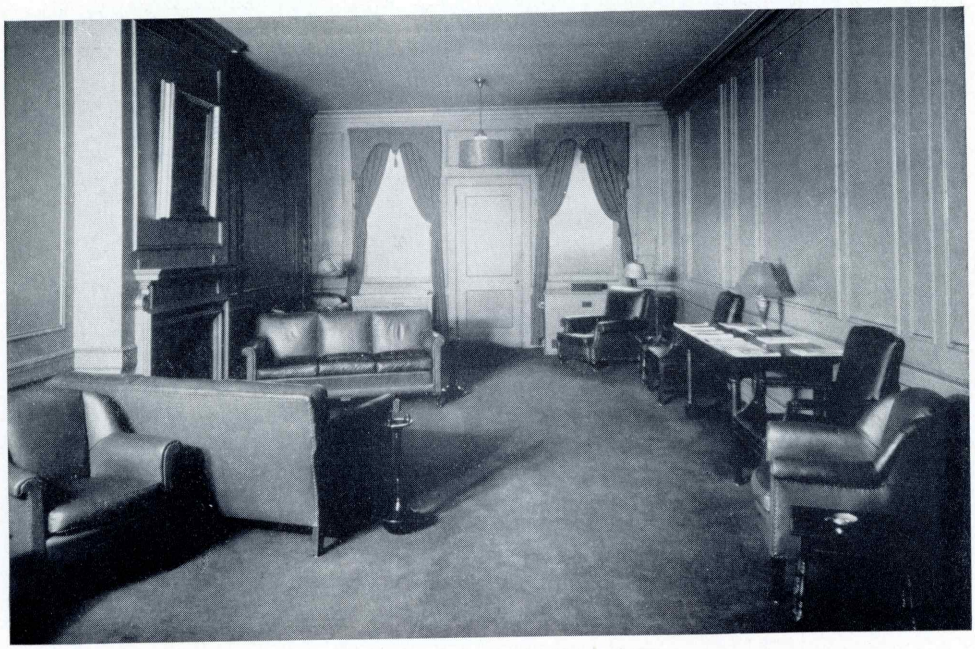
FOUNDATION BUILDING
Cooper Square Entrance

FOUNDATION BUILDING
Astor Place Entrance at Night

PUBLIC LIBRARY AND READING ROOM



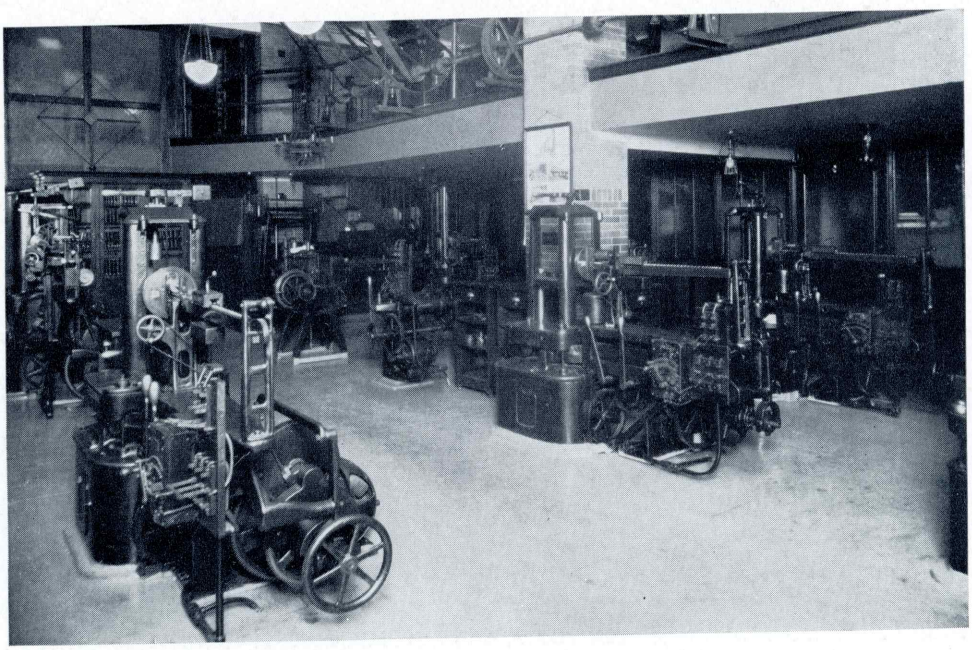
STUDENTS' READING ROOM



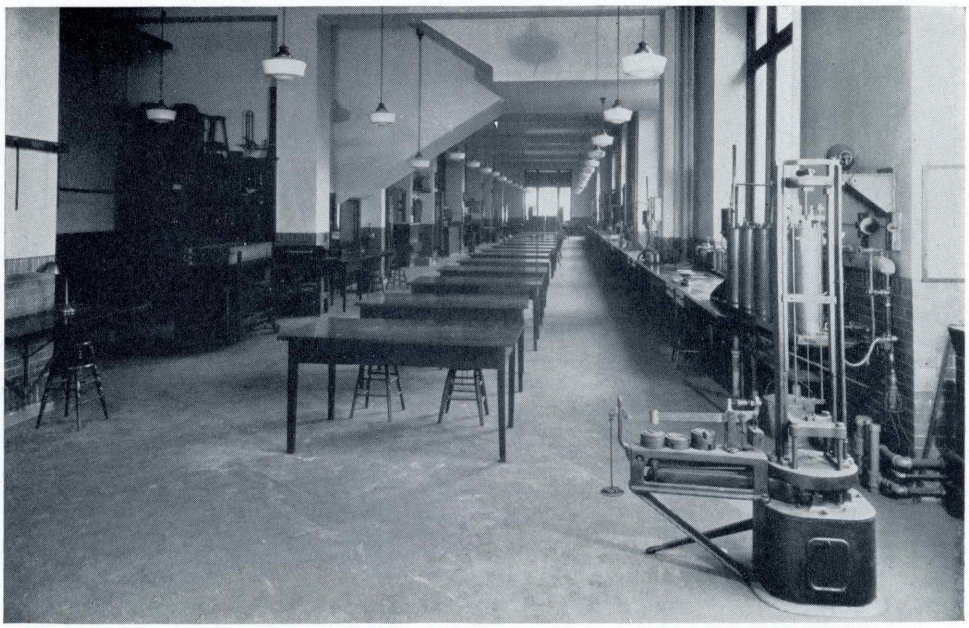
FACULTY LOUNGE

STUDENTS' REFERENCE ROOM

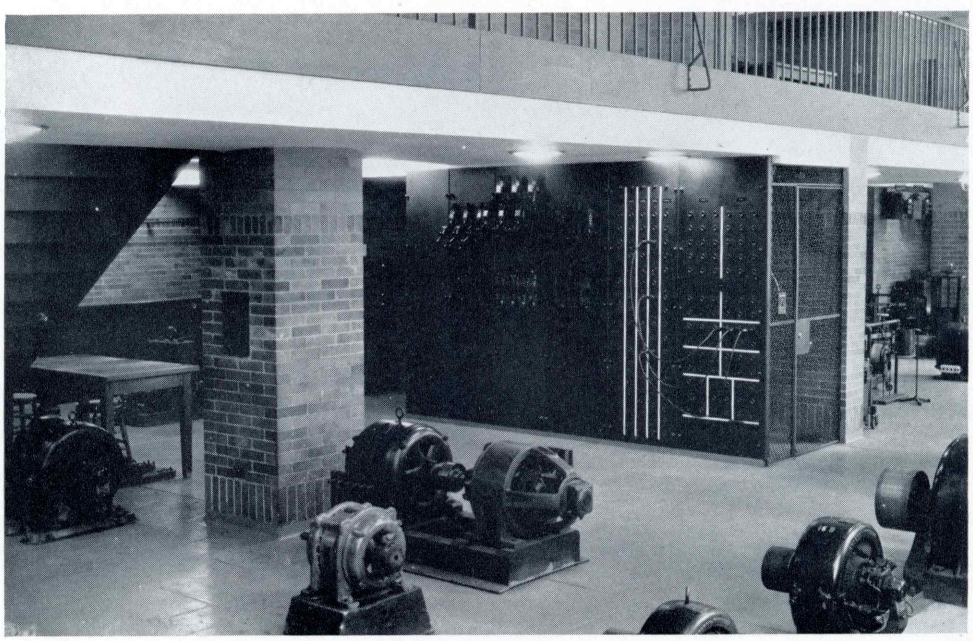
CHEMISTRY LABORATORY



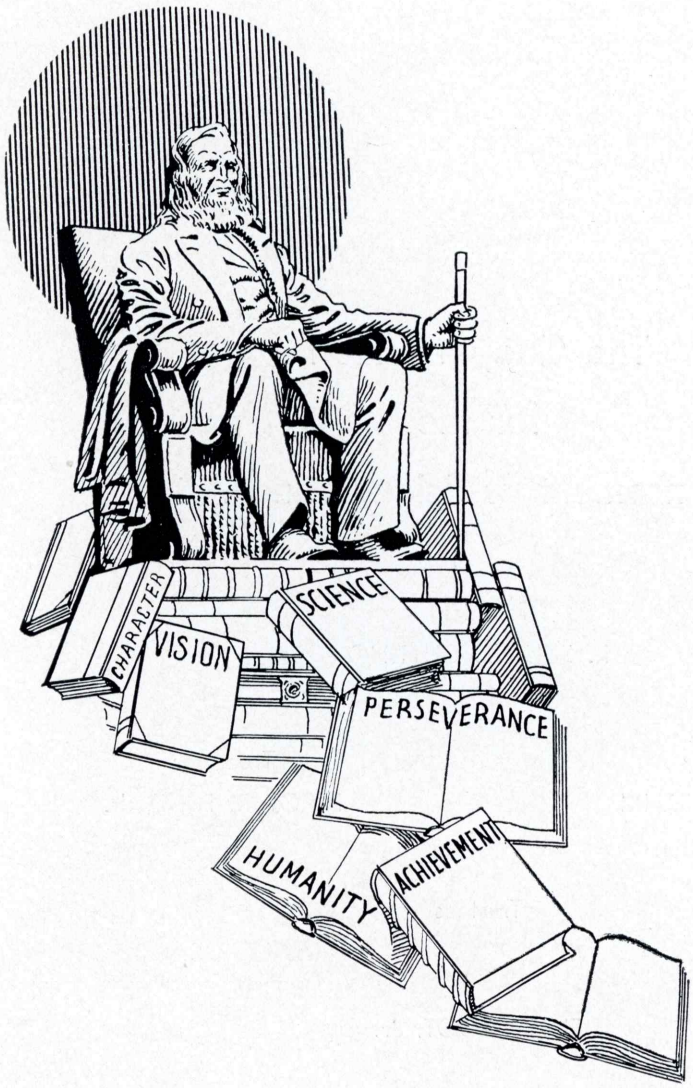
MATERIALS TESTING LABORATORY



PHYSICS LABORATORY



ELECTRICAL ENGINEERING LABORATORY
Main Switchboard



THE ADMINISTRATION

The Cooper Union
for the
Advancement of Science and Art

President
R. FULTON CUTTING

Secretary
EDWARD L. REHM

Treasurer
PERCY R. PYNE, Jr.

Trustees

R. FULTON CUTTING
GANO DUNN
WALTER S. GIFFORD
J. PIERPONT MORGAN
ELIHU ROOT, Jr.

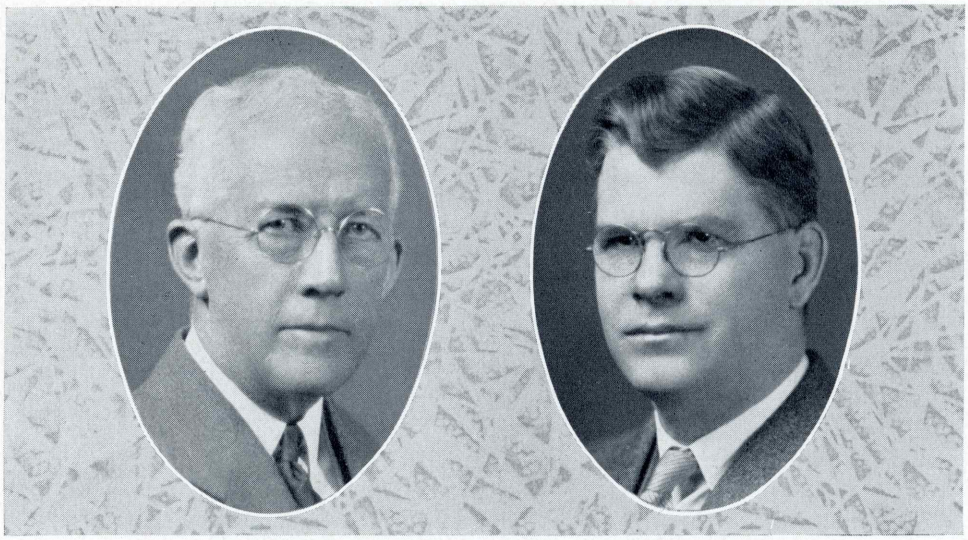
Acting Dean George F. Bateman

ON March 30, 1932, the Trustees placed in charge of the Day and Night Schools of Engineering, with the title of Acting Dean, Professor George F. Bateman, head of the Mechanical Engineering Department. Connected with the Cooper Union for the past twenty-five years, Professor Bateman has been Chairman of the Students Relations Committee since 1922 and has always been actively connected with alumni affairs.

As engineer, instructor and friend, he has displayed those sterling qualities common to that band of men who have given to Cooper its meritorious reputation. As acting dean, Professor Bateman is now proving to be an outstanding executive.

Always close to the student, he has become well acquainted with the good and bad points of student activities, and has ever worked for the good of the student in these matters. The Towle Plan, the general assembly at the beginning of the year, and the many innovations seen about the school this year are all indicative of the fact that Professor Bateman means to get something done.

We of the Cable Board voice the opinion of the entire student body in extending our best wishes to Acting Dean George F. Bateman.



Department of Civil Engineering

Professor

FREDERICK E. FOSS, A.M., Sc.D.

Phi Beta Kappa, Phi Kappa Phi; A.B., Bates College, 1883; A.M., Bates College, 1886; B.S., Massachusetts Institute of Technology, 1886; Sc.D., Bates College, 1908; Member: American Society of Civil Engineers, American Railway Engineering Association, American Society for Testing Materials, Society for the Promotion of Engineering Education.

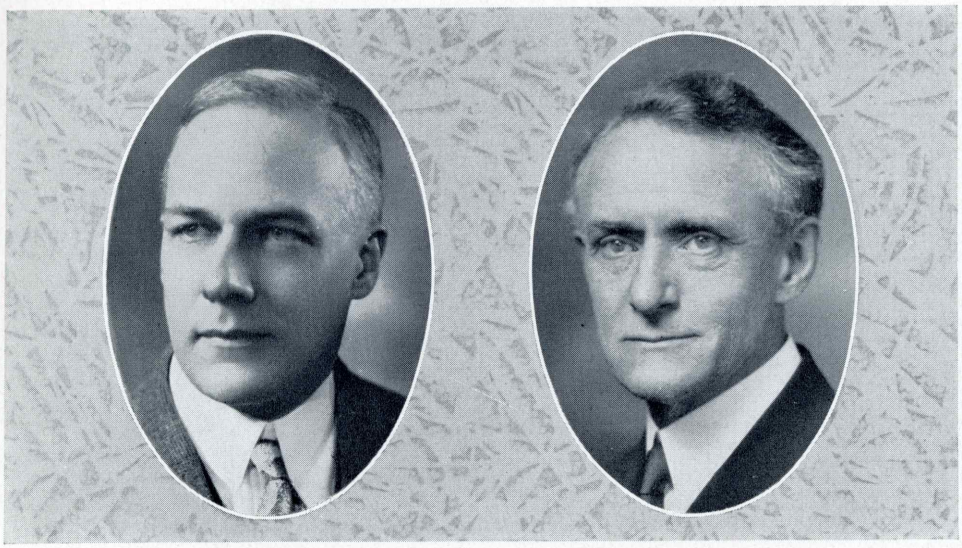
Assistant Professor

RAY C. BRUMFIELD, B.S.

Tau Beta Pi; B.S., Purdue University, 1912; Member: American Society for Testing Materials, American Society for Steel Treating, Society for the Promotion of Engineering Education, Committee on Hardness Testing, A.S.S.T., Chairman: Standardization Committee, A.D.T.A.

Instructors

W. E. BROWN
CHARLES O. ROTH, Jr.
LAWRENCE PEREZ
J. P. O'DONNELL
GILBERT MORRISON
MILES H. VAN BUREN
J. P. J. WILLIAMS



Department of Chemical Engineering

Professor

ALBERT B. NEWMAN, A.B., B.Ch.E., M.S., Ph.D.

Sigma Chi, Phi Lambda Upsilon, Sigma Xi, Iota Alpha; University of Michigan; A.B., 1910; B.Ch.E., 1911; M.S., 1926; Ph.D., 1928. Member of Council, American Chemical Society; American Institute ot Chemical Engineers: Member, Membership Committee; Member, Committee on Student Chapters; Member, Committee on Chemical Engineering Education; Chairman, Committee on Standard System of Symbols and Nomenclature; Representative of Institute on Engineers' Council for Professional Development. University of Michigan Club of New York; Fellow, American Association for the Advancement of Science. Formerly: Chemist, Corn Products Refining Company; Instructor, Penn. State College; Chemical Engineer, National Zinc Company; Supt. Chem. Mfg., American Metal Company, Ltd.; Works Mgr., Monsanto Chemical Works; Research Chemical Engineer, General Chemical Company.

Assistant Professor

HENRY C. ENDERS, A.M., Ch.E.

Omega Delta Phi; B.C., Cooper Union, 1906; A.M., Columbia University, 1920; Ch.E., Cooper Union, 1922; Past President of Cooper Union Chemical Society; Past President of Cooper Union Alumni Association; Member of American Chemical Society; Vice-President of N. Y. State Society of Professional Engineers; Member of Committee of Law and Ethics; Member of Committee of Nominations; N. Y. Chapter of State Society of Professional Engineers; Fellow, American Association for the Advancement of Science; Associate Member American Geographical Society; American Institute of Chemical Engineers.

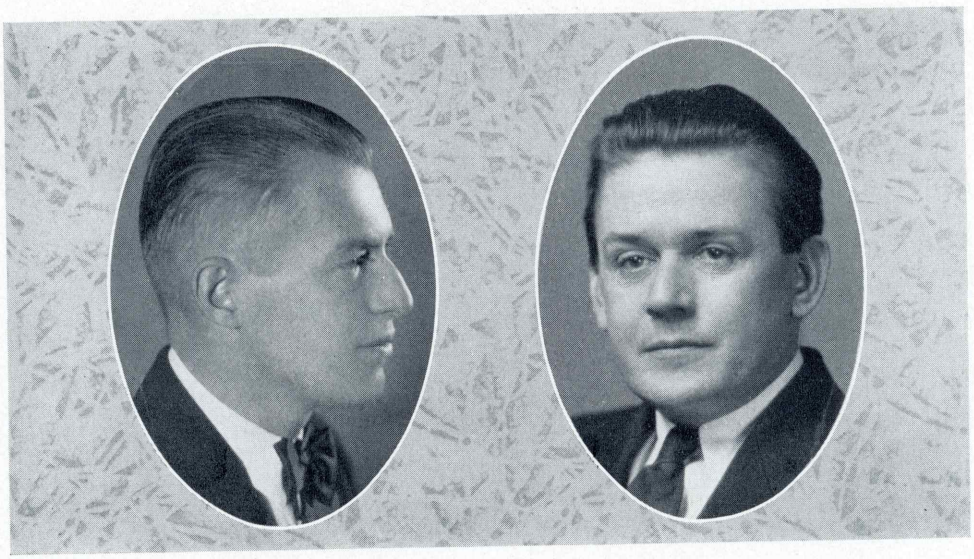
Assistant Professor

JAMES COULL, B.Sc., A.M.

Sigma Xi, Phi Lambda Upsilon; University of Aberdeen, B.Sc., 1924; Yuill Traveling Scholar, Massachusetts Institute of Technology, 1924-25; Columbia University, A.M., 1929. Formerly: Research Chemist, Tide Water Oil Co., 1925-27; Physico-Chemical Consultant, Rubber Service Laboratories, 1927-30.

Instructors

CHRISTIAN WEAVER, B.C.
FRANCIS P. CAREY, B.S.
HENRY B. HOPE, Ch.E.
RAYMOND J. F. KUNZ, B.S.
EDWARD CANNON, Chem. Asst.
ALLAN L. TARR, B.S.
HARVEY HUGG, B.S.
RAYMOND SZYMANOWITZ, B.S.
FRANK R. FORRESTER, B.S.
HENRY J. GOLLE, Lab. Asst.
NICHOLAS FALLENBERG, Lab. Asst.



Department of Electrical Engineering

Professor

NORMAN L. TOWLE, B.S., E.E.

Tau Beta Pi, Sigma Xi, Sigma Alpha Epsilon; B.S. in E.E., 1917; E.E., 1920, Worcester Polytechnic Institute; Graduate Study and Research, Westinghouse Electric and Manufacturing Co., 1917-1918; Engineer, Westinghouse Electric and Manufacturing Co., 1918-1919; Iowa State College, 1919-1920; In Charge of Electrical Laboratories, Cooper Union; Professor of Electrical Engineering Department, 1932; Member: American Institute of Electrical Engineers, Society for the Advancement of Engineering Education.

Instructors

A. J. B. FAIRBURN, B.S., A.M.
F. HOWARD TALLMAN, B.S.
ALBERT GOERTZ, B.S., C.E.
HERMAN KOENIG, B.S., E.E.
ERNEST W. STARR, E.E.
HENRY SCHERIL, B.S., E.E.
CHARLES ZELLER
GEORGE QUINN, E.E.
NILS WILLEN, B.S.

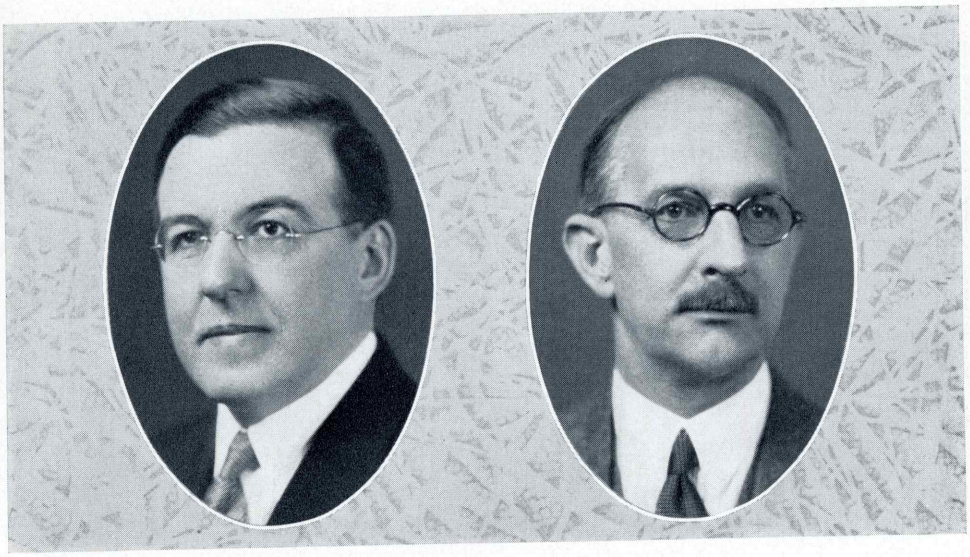
Department of English

In Charge of Department

ELMER MANTZ, A.B., Ph.D.

Instructors

ELMER MANTZ, A.B., Ph.D.
ROBERT CUMBERLAND, A.B.
MILTON LING, A.B.
F. CARL RIEDEL, A.B.



Department of Mechanical Engineering

Professor

GEORGE F. BATEMAN, B.E., M.E.

B.S., Cooper Union Day School of Technical Science, 1907; M.E., School of Mines, Engineering and Chemistry, Columbia University, 1917; Fellow: American Association for the Advancement of Science; Member: American Society of Mechanical Engineers, Society for the Promotion of Engineering Education, The Newcomen Society, Library Board of the United Engineering Societies.

Instructors

H. F. ROEMMELE, B.S.
E. A. SALMA, B.S.
W. A. VOPAT, B.S.
W. O. ENTENMANN, B.S., M.E.
O. G. GERDIN, B.S.
H. OTTEN, B.S., E.E.
W. T. PETERSON, B.S.
C. F. PIHLBLAD, Mechanician

C. A. ADAMS, Lab. Asst.

Department of Machine Design

Professor

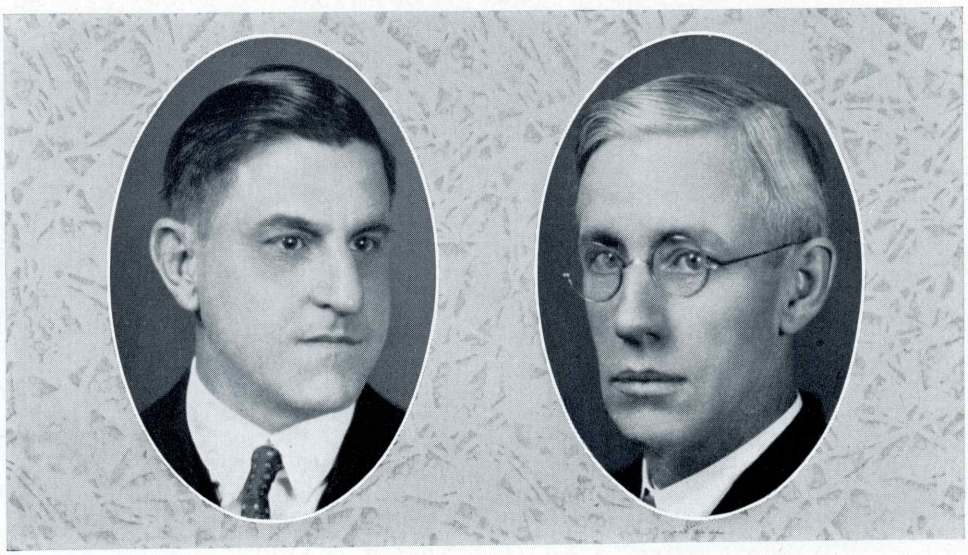
CARL ROSSMASSLER, B.S.

B.S. (Scientific Course), Cooper Union, 1895; Society of Mechanical Engineers, Society of Automotive Engineers, Engineers Club of Philadelphia.

Instructors

C. HIGBIE YOUNG
AUSTIN H. CHURCH, M.E.
JOHN W. LANGGUTH, B.S.
OTTO G. PULLER, B.S.
JOHN J. CURREY, B.S.
K. E. LOFGREN, B.S.

R. SALMONSEN, B.S.



Department of Mathematics

Professor

H. W. REDDICK, A.M., Ph.D.

Phi Kappa Psi, Sigma Xi; A.B., Indiana University, 1904; A.M., University of Illinois, 1906; Ph.D., Columbia University, 1910; Professor in Mathematics in 1916; Member: American Mathematical Society, Mathematical Association of America.

Assistant Professor

WILLIAM J. PICKETT, B.S.

B.S., Teachers College, Columbia University, 1909; Assistant Professor of Mathematics, Cooper Union, 1924; Member: Mathematical Association of America.

Assistant Professor

FREDERIC H. MILLER

B.S. in E.E., Cooper Union Institute of Technology, 1926; M.S., Cornell, 1927; Ph.D., Columbia, 1932; Chairman, Committee on Athletics; Member of the American Mathematical Society; Member of the Mathematical Association of America.

Instructors

C. H. LEHMAN, B.S.
D. C. MacLEAN, B.S.
E. G. TAPLIN, B.S., A.M.
S. B. SHERIDAN, B.E.
J. J. TANZOLA, A.B., A.M.
E. J. LARKIN, B.S.
A. H. BEILER, B.S.
F. J. McMACKIN, Ph.D.

HARRY LANGMAN

Department of Physics

Professor

ALBERT BALL, A.B.

Sigma Xi; A.B., Cornell University, 1901; Member: American Association for the Advancement of Science, Society for the Promotion of Engineering Education, American Physical Society; Associate Member: American Institute of Electrical Engineers; In Charge of and Professor of Physics, Cooper Union, 1912.

Assistant Professor

KARL HAUPTMAN, B.S.

1903—Graduated from Cooper Union Day School of Technical Science with the first graduating class of the Day School, B.S., Cooper Union Night School of General Science, 1903; Engineering Department of New York Telephone Co., 1903-1904; Instructor of Physics and Electrical Measurements, Cooper Union Night School, 1904; Instructor of Physics, Cooper Union Day School of Technical Science, 1905; Assistant Professor of Physics, Cooper Union, 1924.

Assistant Professor

HAROLD W. MERRITT, B.S.

Sigma Tau Rho, Lambda Sigma Kappa; B.S., Cooper Union, 1921; Member: Society for the Promotion of Engineering Education, American Society of Mechanical Engineers, Society of Automotive Engineers; Instructor of Physics, Cooper Union, 1921; Assistant Professor of Physics, Cooper Union, 1932.

Instructors

W. E. BOSSERT, B.S.
H. HALSEY, A.B.
R. A. FARALLA, B.S.
H. STEMPER, B.S.
J. C. RIEDEL, B.S., C.E.
W. H. SPAHN, B.S., E.E.
R. W. BURNS, A.B., B.S.
A. P. CRAIG, Jr., E.E.
C. W. MILLER, B.S.

Schools of Engineering

COMMITTEES OF THE FACULTY

Committee on Admission

PROF. H. W. REDDICK
PROF. A. BALL
PROF. H. C. ENDERS
PROF. C. C. BRIGHAM
MR. WARREN G. FINDLAY

Committee on Promotions

PROF. G. F. BATEMAN
PROF. F. E. FOSS
PROF. H. W. REDDICK
PROF. A. B. NEWMAN

Committee on Student Standing

PROF. A. BALL
PROF. W. J. PICKETT
PROF. N. L. TOWLE
MR. W. G. FINDLAY
PROF. H. MERRITT

Committee on Scholarships

PROF. W. J. PICKETT
PROF. N. L. TOWLE
PROF. K. HAUPTMAN
MR. H. B. HOPE

Committee on Schedules

PROF. W. J. PICKETT
PROF. N. L. TOWLE
PROF. C. ROSSMASSLER

Committee on Student Activities

PROF. N. L. TOWLE
PROF. W. J. PICKETT
PROF. H. MERRITT

Committee on Athletic Activities

PROF. R. C. BRUMFIELD

Faculty Council of the Night Art Schools

Chairman Ex-officio

AUSTIN PURVES, Jr.

School of Architecture

EDWARD A. MILLER
FRANCIS ROUDEBUSH
HOWARD HEATLEY
B. KENNETH WYATT
BRUCE RABENOLD

School of Art

WILLIAM B. STARKWEATHER
ANATOL SHULKIN
DAVID HYMES
GAETANO CECERE
CHARLES GILBERT

Director, AUSTIN PURVES, Jr.

Woman's Art School

AUSTIN PURVES, Jr. . . . . Art Director
ISABEL COLEMAN CUTLER . . . . . Principal
RUZA MAGLOFF . . . . . Librarian
ISABEL W. McNEELY . . . . . Secretary

Drawing

MARGARET K. COWAN
STUART E. ELDREDGE
ALGOT G. STENBERY

Design

MRS. ROBERT K. GREENLEAF
MRS. ALEXANDER C. H. LOUD
MRS. MILDRED H. MARTIN
ROBERT PALLESEN

Painting

DUNBAR D. BECK
JOHN STUART CURRY
CHARLES L. HINTON

Sculpture

CHARLES H. RUDY
ANGELO TAGLIABUE

Pictorial Design

DeALTON VALENTINE
WALTER M. WESTERVELT

Fashion Illustration

MRS. HENRY A. LADD

Architecture

HARRY E. WARREN

History of Art

E. BALDWIN SMITH

Lettering and Perspective

CATHERINE B. HELLER

Night Art School

Prof. EDWARD A. MILLER

Architecture

EDWARD A. MILLER Supervisor
EDWIN A. ACKER
LEOPOLD ARNAUD
C. DALE BADGELEY
ADRIEN L. BEINEIX
CASPER P. COLLA
SAMUEL ENTWISTLE
GEORGE H. FERRENZ
ROBERT S. HUTCHINS
HAROLD M. HEATLEY
JOHN C. McGOWAN
THOMAS E. McMULLIN
FRANK MARTINELLI
VESPUCCI PETRONE
BRUCE RABENOLD
FRANCIS W. ROUDEBUSH
B. KENNETH WYATT

Librarians

FRIEDA KATZKI
RUZA MAGLOFF
ISABEL W. McNEELY
EDWARD S. McCLENAHAN

Free Hand Drawing and Design

FAUST AZZARETTI
LOUIS BAGNOLI
CARLO CIAMPAGLIA
ARTHUR DEIMEL
PAUL FEELEY
H. D. RAMSDELL
ANATOL SHULKIN
CLEMENS FINLEY
DOUGLAS R. HANSEN
WALLACE HARRISON
JULIUS JOSEPH
HENRY MAYER
W. E. B. STARKWEATHER
WALTER B. DUTCHER
ESMOND SHAW

Advertising Art

DAVID HYMES
CHARLES GILBERT
FRANK P. PILIERO
BYRON THOMAS

Modeling Department

GAETANO CECERE
OLYMPIO BRINDESI

Furniture Design and Interior Architecture

HENRY A. GOLDSMITH

Fashion Illustration

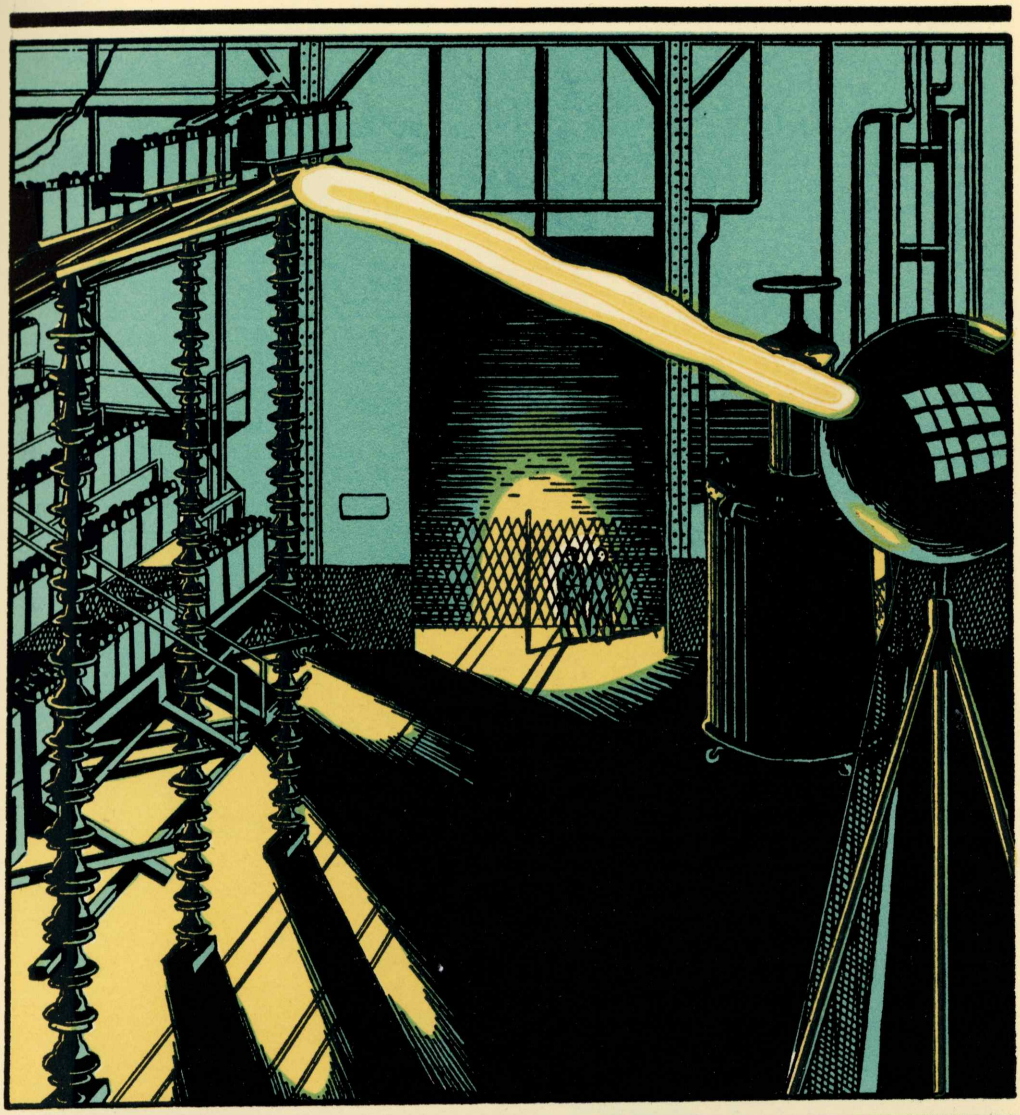
CONSTANCE REED

ELECTRICAL ENGINEERING

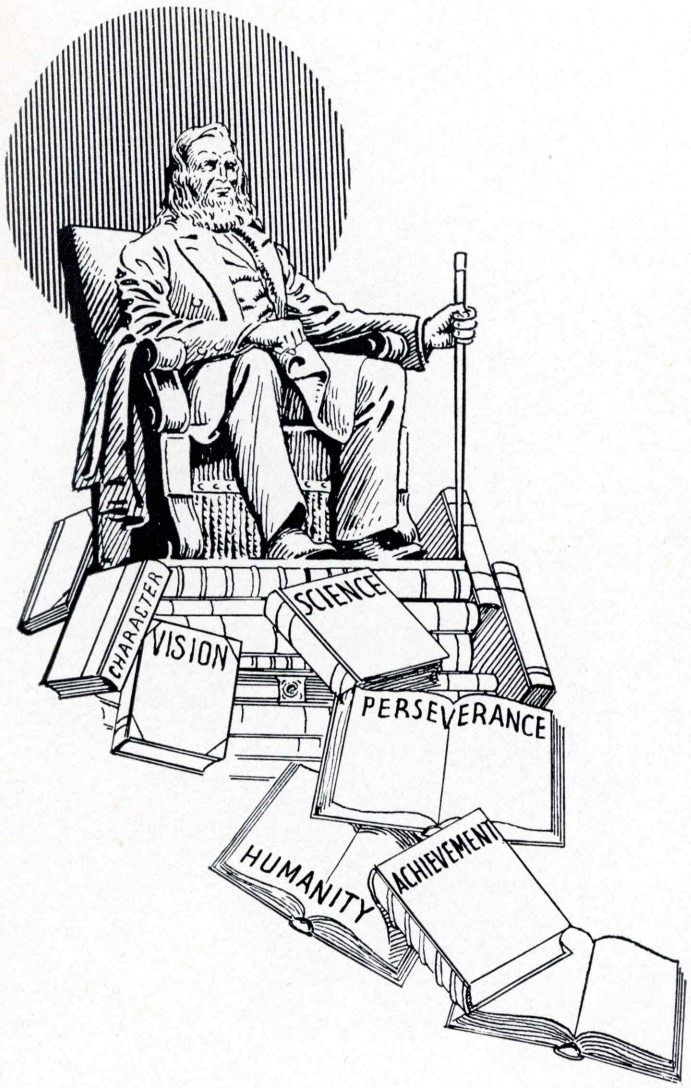
DESPITE the fact that the science of Electrical Engineering is the youngest of all the engineering professions, its foundation was laid over twenty-five centuries ago when Thales, of Greece, recorded the phenomenon of static electricity. Two thousand years passed before this fact was referred to again in Gilbert's treatise on terrestrial magnetism, "De Magnetate."

Early in the seventeenth century, Volta discovered animal electricity, Grey differentiated between conductors and insulators, and Cavendish and Coulombe independently determined the inverse square law with reference to the attraction and repulsion of electrical charges. Thus started a series of investigations, analyses and experiments which yielded brilliant and amazing results. Leyden, Ampere, Ohm, Maxwell, Henry, Hertz, and many others equally famous, discovered the relationships existing between electrical quantities. It remained for Faraday to uncover the relationship between magnetism and electricity. With these facts in hand such men as Kelvin, Edison, Marconi, DeForest and Steinmetz came forth with a series of discoveries and inventions that man had previously hardly dared to think of.

Electrical illumination, electrical refrigeration, radio, television, and electrical motive power, are some of the more important results of the application of the knowledge contributed by electrical engineers. Today man has devised methods of generating electrical potentials of over seventy-five million volts. We can indeed expect the electrical engineer to contribute continuously to the advance of Civilization.



ELECTRICAL



THE CLASSES

SENIORS

The Classes of Nineteen Thirty-three

ARCHITECTURE

PHILIP S. ANTHES ..... President
JOHN LORENC ..... Vice-President
MICHAEL J. CAROLLO ..... Secretary
JOSEPH J. FITZGERALD ..... Treasurer

CHEMICAL ENGINEERING

JOSEPH KORANY ..... President
DANIEL H. BEATON ..... Vice-President
MICHAEL HIBNER ..... Secretary
HENRY C. THEUERER ..... Treasurer

CIVIL ENGINEERING

JOHN T. CARROLL ..... President
ALEXANDER MOORE ..... Vice-President
ELIAS RUBINSON ..... Secretary
WILLIAM SELLS ..... Treasurer

ELECTRICAL ENGINEERING

LAWRENCE R. OSWALD ..... President
ERICH GRABER ..... Vice-President
HECTOR CUTTICA ..... Secretary
ARTHUR LUDWIG ..... Treasurer

MECHANICAL ENGINEERING

JAMES S. LOCKE ..... President
ERNST C. GRABER ..... Vice-President
CHARLES F. SPAHN ..... Secretary
CHARLES SCHNEIDER ..... Treasurer

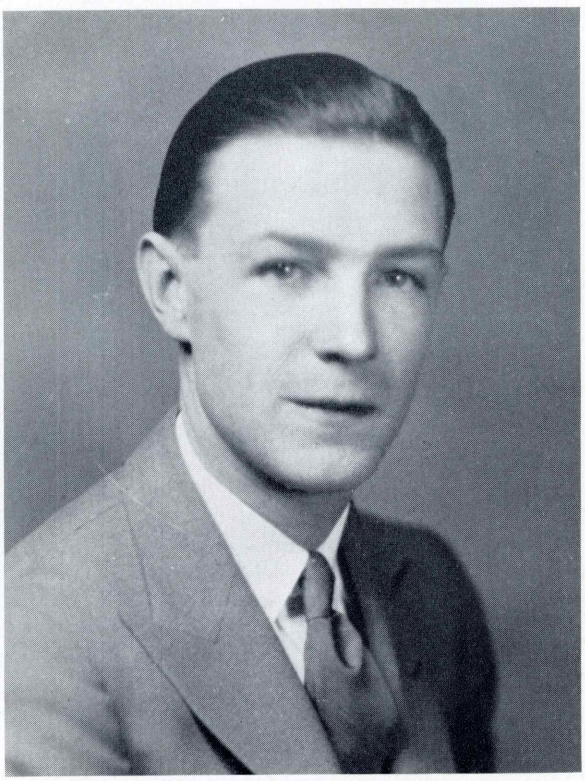
INSTITUTE OF TECHNOLOGY

SYDNEY LAWLESS ..... President
CHARLES J. LA GRECO ..... Vice-President
HENRY J. QUEEN ..... Secretary
HARRY GLUCK ..... Treasurer

In Memoriam

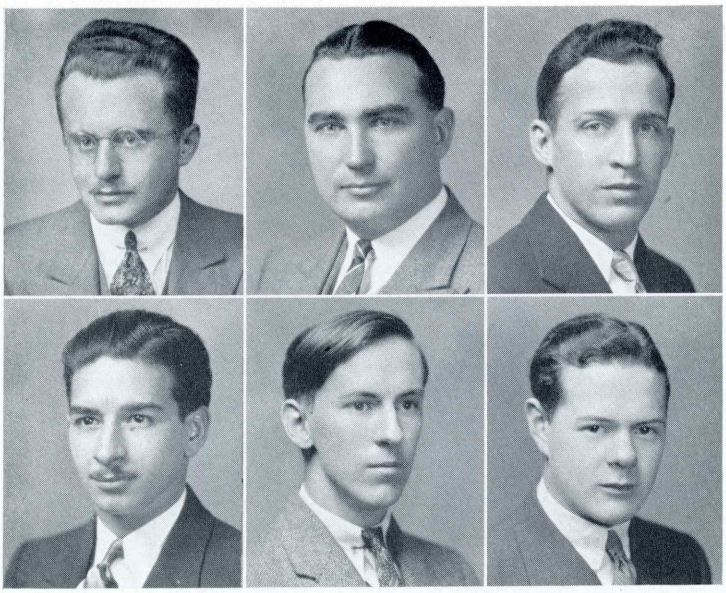
Date of Birth
January 3d, 1908

Date of Death
January 18th, 1933



VINCENT G. COOKE

Vincent entered Cooper Union in the Fall of 1928 after having prepared at La Salle Academy. During his four and one-half years as a member of the Class of '33, he compiled an enviable record of devoted toil and unselfish service which endeared him to the hearts of his classmates. Their high regard for him is best exemplified by the various positions entrusted to him and which he fulfilled in spite of the fact that his physician ordered him to give up all activities including his studies. He disregarded those orders—his health was affected—he overtaxed his strength, and due to his weakened physical condition, his untimely death was brought about, leaving a much-felt gap in the ranks of the Class of 1933.



IRVING ALTMAN
"Red"
Architecture
Hebrew Technical Institute
Columbia University
Wrestling, '30.

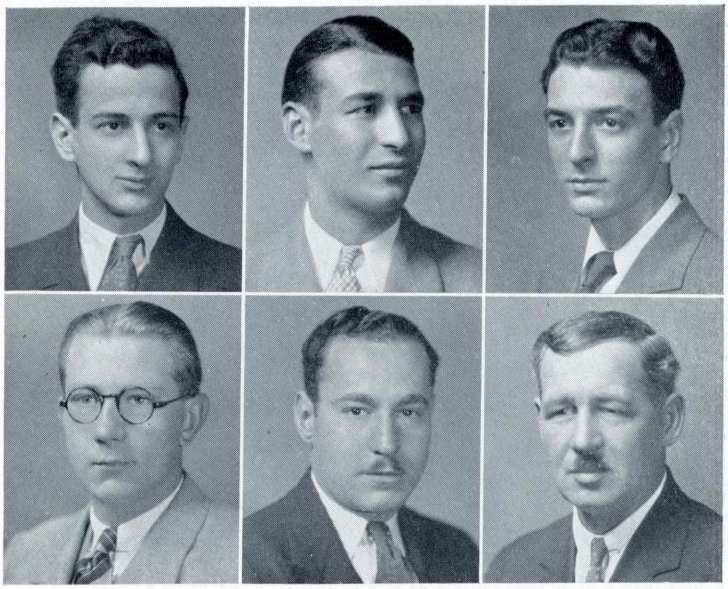
JAMES P. BARBARITE
"Jim"
Architecture
Brooklyn Technical High School
Honorable Mention, '30; First Prize, '31.

PHILIP S. ANTHES
"Phil"
ΛΣΚ
Architecture
Evander Childs High School
New York University
Class Treas., '30; Pres., '31, '33; Student Council, '30, '31, '33; Pres., Arch. Council, '33; Arch. Cir. Mgr. of Cable, '31; Ex-Post Facto, '32; Gold "C," '31; Tennis Team, '29, '30, '31, '33; Ass't Mgr. '29, Capt. '30, Mgr. '31; Vice-Pres. A. C. C. U.; C. U. N. S. C., '31; Chairman Entertainment Comm. Annual, '31; Freshman Pamphlet Comm., '31; First Mention, '29; Honorable Mention, '31; Pres. N. A. S. S. C., '33.

PAUL T. BARROWS
"Sparrows"
Architecture
Brooklyn Technical High School
Class Sec'y, '31; Arch. Students Council, '31; Honorable Mention, '31.

EDWARD J. BACKOF
"Ed"
Architecture
Tottenville High School

CHARLES J. BIANCHI
"Chuck"
Architecture
Emerson High School
Newman Club; First Prize, '28; Second Prize, '29.



GEORGE BROWN
"Brownie"
Λ Σ K
Architecture
New York Evening High School
Class Vice-Pres., '32; Treas., '33.

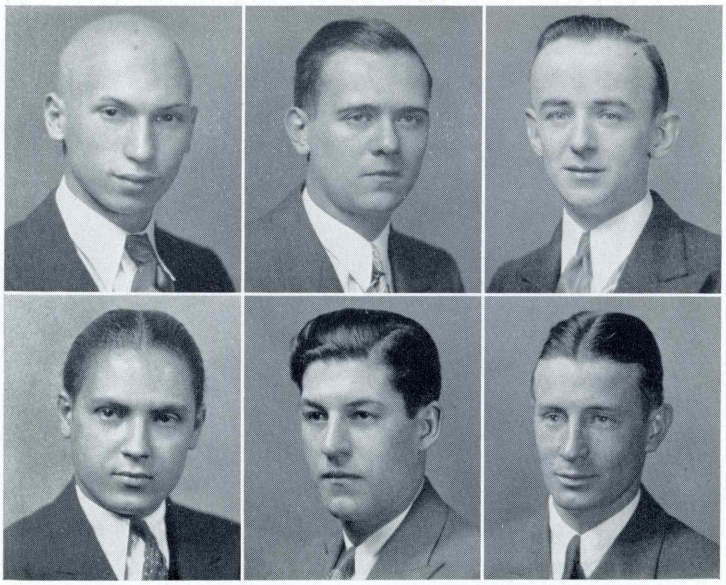
GEORGE F. DEISSROTH
"Blondie"
Λ Σ K
Architecture
Amityville High School
Honorable Mention, '30.

THOMAS G. CARDO
"Tom"
Architecture
James Monroe Evening High School
Honorable Mention, '32; First Prize, '31.

HARRY A. DE MARS
"Demi"
Architecture
Thomas Jefferson High School
Long Island University
Arch. Students Council, '30, '31; Class Treas., '31; Football, '32.

MICHAEL J. CAROLLO
"Mickey"
Λ Σ K
Architecture
Bushwick Trade School
Honorable Mention, '31; Class Sec'y, '32, '33; Arch. Students Council, '32; Sec'y Arch. Students Council, '33.

THOMAS B. DICKINSON
"Dick"
Architecture
Skerry Prep School, Johnston Technical Institute, England



SAMUEL HORN
"Sam"
Architecture
Washington Irving Evening High School

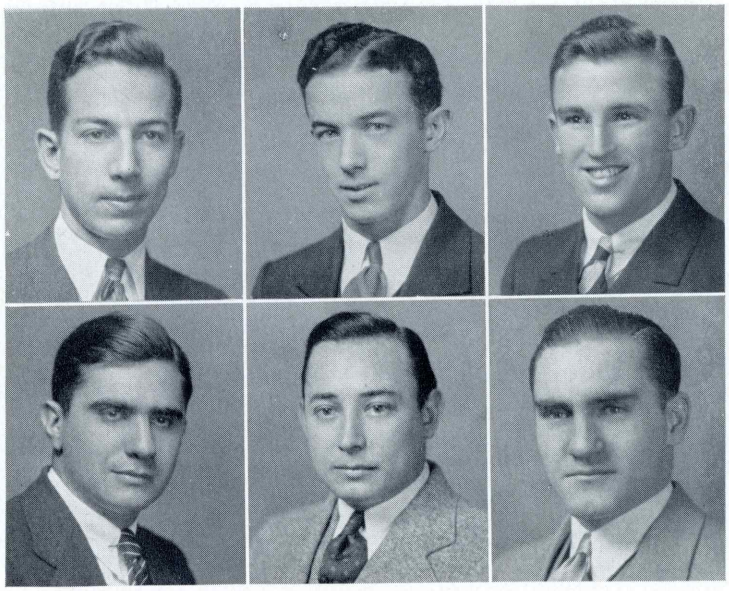
STANLEY KOLIN
"Steve"
Architecture
Newtown High School

BRENDAN LEAHY
"Mac"
Architecture
Presentation and Technical Schools, Killarney, Ireland

VALENTINE LOPEZ
"Rudy"
Guayama High School, Porto Rico

JOHN F. LORENC
"Jack"
Λ Σ Κ
Architecture
De Witt Clinton High School
Islip High School
Honorable Mention, '30; Class Vice-Pres., '33.

EDWARD C. LYON
"Ed"
Architecture
Greenwich High School
Pratt Institute
Class Vice-Pres., '30; Second Prize, '30; First Prize, '32.



DAVID MESNIK
"Mez"
$\Lambda\ \Sigma\ K$
Architecture
Evander Childs High School
City College of New York
Arch. Circulation Manager of "Cable," '32; Student Council, '32.

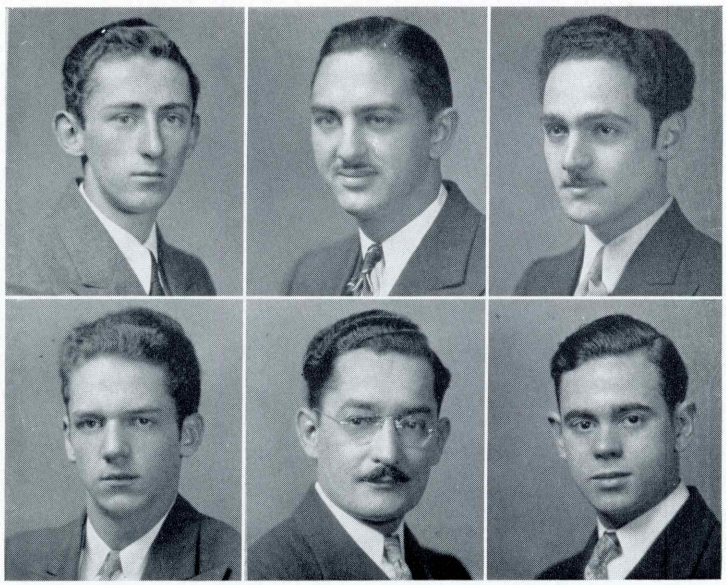
ANTHONY M. PAVIA
"Pavia"
Architecture
Columbia Extension Business School

ELLWOOD G. O'BRIEN
"Obie"
Architecture
Murray Hill Technical High School

JACK PETSHAFT
"Pet"
Architecture
Passaic High School
New York University
Basketball, '30.

CHARLES F. OCENASEK
"Charlie"
Architecture
Mount Vernon High School

HAROLD PHILIP REINER
"Shorty"
Architecture
Demarest High School
Newtown High School
Mechanics Institute
Class Vice-Pres., '31; Senior Hop Comm., '33.



ALFRED A. SCHOOF
"Al"
Architecture
St. Agnes' High School

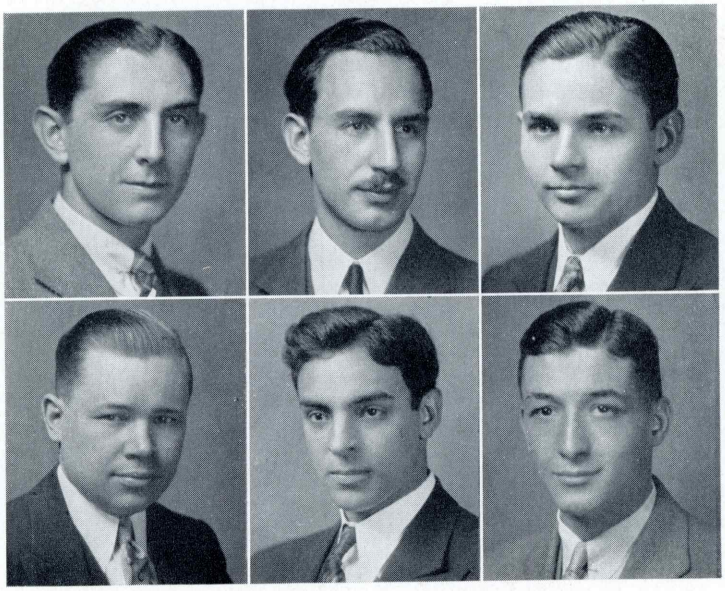
H. T. STROM
"Howie"
Architecture
Dickinson High School

HERMAN SKLARIN
"Hy"
ΨΛ
Architecture
James Monroe High School

RAYMOND VERANSTEIN
"Ray"
Architecture
De Witt Clinton Evening High School
Associate Art Studios
Orchestra; Glee Club.

FRANK SPINETTA
"Curly"
ΛΣΚ
Architecture
New Utrecht High School
Drake School of Architecture
A. C. C. U.; Class Sec'y., '30; Honorable Mention, '31; Arch. Editor of "Cable," '32; Junior Prom Comm., '32; Ex-Post Facto, '32.

DANIEL H. BEATON, B.S.
"Danny"
Chemical Engineering
Greenhead Academy, Scotland
A. I. Ch. E.; Class Sec'y, '30, '31; Vice-Pres., '33.



JOHN B. DE COSTE, B.S.
"Jack"
Chemical Engineering
Bus. Mgr., Pioneer, '30; Class Pres., '29, '30.

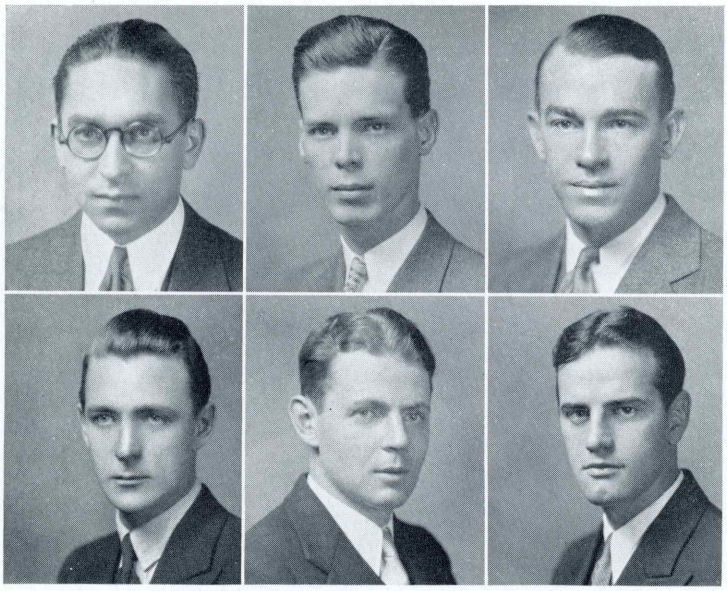
VINCENT I. McCLUSKEY, B.S.
"Vince"
Chemical Engineering
Penn State University

A. LEON FISHBACH, B.S.
"Lee"
A M Σ
Chemical Engineering

SAMUEL POLLOCK, B.S.
"Sam"
Chemical Engineering
Townsend Harris High School

MICHAEL HIBNER, B.S.
"Mike"
Chemical Engineering
Dickinson High School
Class Vice-Pres., '30; Class Sec'y, '33.

HENRY C. THEUERER, B.S.
"Henry"
Chemical Engineering
Stuyvesant High School
Class Treas., '29, '31, '32, '33; Sec'y-Treas., '30.



JOSEPH WEINER, B.S.
"Joe"
Chemical Engineering
Chemistry Prize, '29.

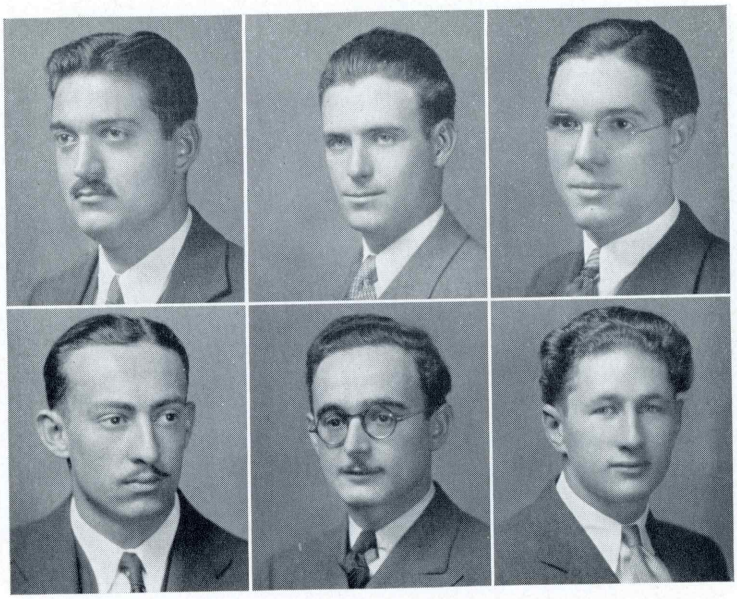
WILLIAM B. BROWN, B.S.
"Scotty"
Civil Engineering
Stuyvesant High School
A. S. C. E.

EDWARD D. BADEY, B.S.
"Ed"
$\Phi \Sigma \Omega$
Civil Engineering
South Philadelphia High School
A. O. Treasurer, '31; Athletic Editor of "Cable," '32.

PHILIP F. BRUECK, B.S.
"Phil"
$\Phi \Sigma \Omega$
Civil Engineering
Lafayette High School, Buffalo
A. S. C. E.; N. Y. S. P. E.; C. U. N. E. C., '29, '30, '31; Sec'y, '30; Vice-Pres., '31; Class Pres., '29, '30, '31; Chairman, Ent. Comm. Annual, '29; General Chairman, Annual, '30, '31; Gold "C," '30; Second Award, '31; Chairman, Gold "C" Comm., '31; Asst. Mgr. Track, '31; Ex-Post Facto, '32.

JOHN J. BOHAN, B.S.
"Blondie"
Civil Engineering
Yonkers High School
A. S. C. E.

MONROE W. BUTLER, B.S.
"Monroe"
Civil Engineering
Yonkers High School
A. S. C. E.



DAVID CAPLAN, B.S.
"Dave"
Civil Engineering
New York University
City College of New York
A. S. C. E.

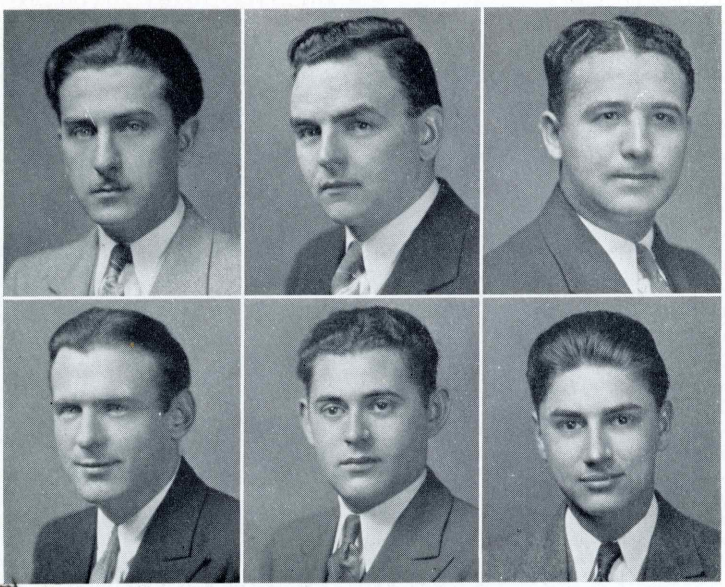
CHARLES D. COLVIN, B.S.
"Bullneck"
Civil Engineering
Thomas Jefferson High School
Tennis Team.

JOHN T. CARROLL, B.S.
"Jack"
ΦΣΩ
Civil Engineering
Cathedral Prep
A. S. C. E.; Pi Sigma; Newman Club; Corres. Sec'y, Newman Club, '30; Track, '29, '30, '31; Mgr. Track, '31; Class Vice-Pres., '29, '30, '31; Vice-Pres., C. U. N. A. O., '30, '31; C. U. N. S. C., '31; Annual Comm., '31; Night Sport Editor, Pioneer, '30, '31; Gold "C," '31; Second Award, '32; Editor-in-Chief of "Cable," '32; Ex-Post Facto, '33; Class Pres., '33; Pres., C. U. N. A. O., '33.

N. DENNER, B.S.
"Denny"
Civil Engineering
De Witt Clinton High School
A. S. C. E.

ANGELO B. CASULLI, B.S.
"Barry"
ΦΣΩ
Civil Engineering
De Witt Clinton High School
E. S. E. H. S.
A. S. C. E.; Publicity Editor of "Cable," '32; Pioneer, '32, '33; Ex-Post Facto, '33.

EDWIN E. EKLOFF, B.S.
"Ed"
Civil Engineering
Croton Harmon High School
A. S. C. E.



SALVATORE FASULLO, B.S.
"Sal"
Civil Engineering
Boys' High School
Pratt Institute
Mechanics Institute

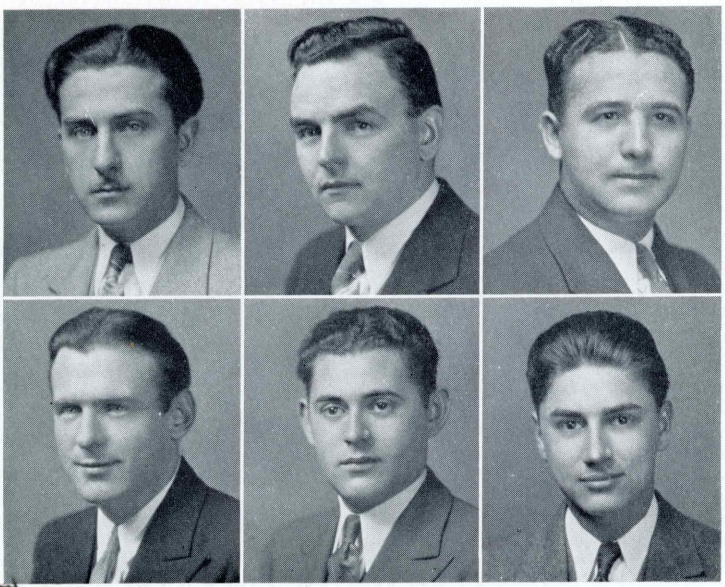
HARRY J. HORAN, B.S.
"Harry"
Civil Engineering
Evander Childs High School
A. S. C. E.; Junior Prom Comm., '32.

JOSEPH FITZPATRICK, B.S.
"Joe"
Civil Engineering
Stuyvesant High School

ISIDORE KUZNETZOFF, B.S.
"Irv"
Civil Engineering
Brooklyn Boys' High School
A. S. C. E.

SAMUEL GERRINGER, B.S.
"Gerry"
Civil Engineering
De Witt Clinton High School
A. S. C. E.; Class Sec'y, '29.

EDWIN LECHTERMAN, B.S.
"Ed"
Civil Engineering
Bushwick High School



SALVATORE FASULLO, B.S.
"Sal"
Civil Engineering
Boys' High School
Pratt Institute
Mechanics Institute

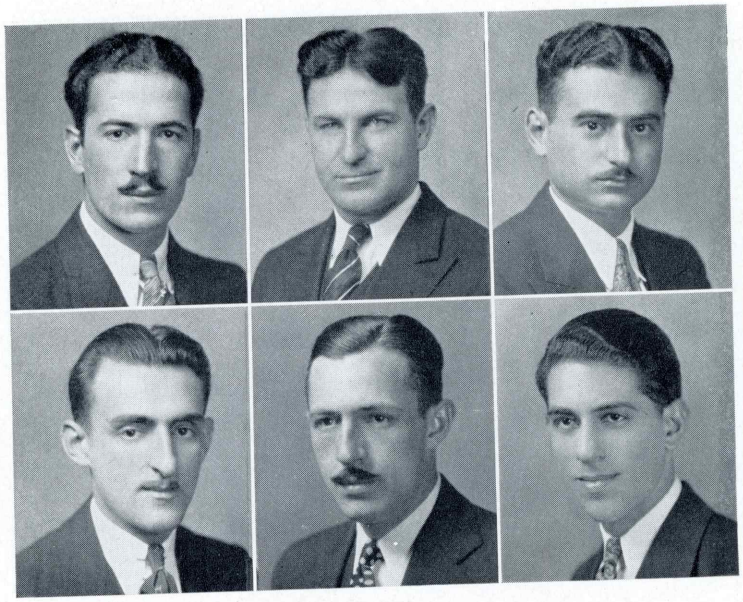
HARRY J. HORAN, B.S.
"Harry"
Civil Engineering
Evander Childs High School
A. S. C. E.; Junior Prom Comm., '32.

JOSEPH FITZPATRICK, B.S.
"Joe"
Civil Engineering
Stuyvesant High School

ISIDORE KUZNETZOFF, B.S.
"Irv"
Civil Engineering
Brooklyn Boys' High School
A. S. C. E.

SAMUEL GERRINGER, B.S.
"Gerry"
Civil Engineering
De Witt Clinton High School
A. S. C. E.; Class Sec'y, '29.

EDWIN LECHTERMAN, B.S.
"Ed"
Civil Engineering
Bushwick High School



PASQUALE J. MAGLIATO, B.S.

"Pat"

Civil Engineering

Stuyvesant High School

ERNANDO F. PERRICELLI, B.S.

"Perry"

$\Phi \Sigma \Omega$

Civil Engineering

Evander Childs High School
City College of New York

A. S. C. E.; Senior Key Comm., '33.

ALEXANDER E. MOORE, B.S.

"Alex"

Civil Engineering

Bushwick High School

A. S. C. E.; Class Vice-Pres., '34.

HAROLD D. ROUSE, B.S.

"Spudy"

Civil Engineering

Manual Training High School
New York Evening High School

A. S. C. E.; Football, '28, '29, '30; Ass't Mgr. Football, '29; Mgr., '30.

VINCENT S. MORANO, B.S.

"Vinny"

$\Phi \Sigma \Omega$

Civil Engineering

Manual Training High School
Bay Ridge Evening High School

Treas., A. S. C. E., '32; Class Sec'y, '32; Junior Prom Comm., '32; Gold "C," '32; Senior Hop Comm., '33.

ELIAS RUBINSON, B.S.

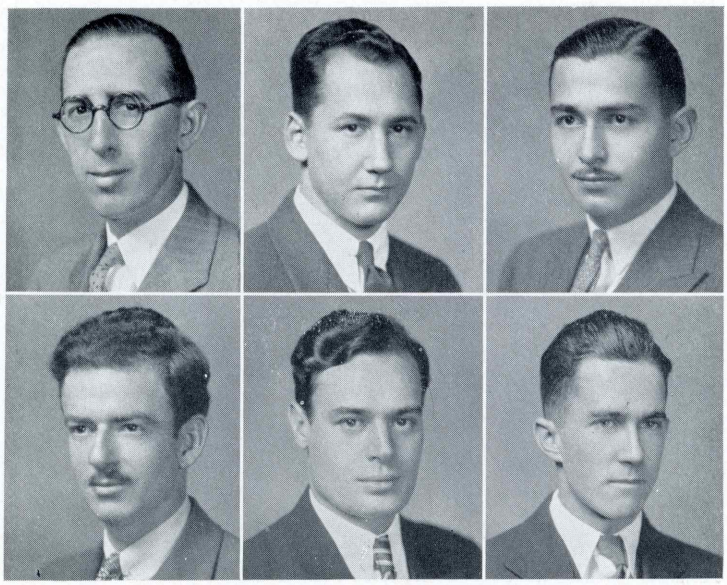
"Al"

$\Pi \Sigma$

Civil Engineering

Thomas Jefferson High School

A. S. C. E.; C. U. N. S. C., '32; Pres. Night Math Club; Bus. Mgr. of "Cable," '32; Gold "C," '32; Ex-Post Facto, '33; Class Sec'y, '33; Advertising Mgr. Pioneer, '32.



H. SAPIRO, B.S.
"Sappy"
Civil Engineering
Stuyvesant High School
Third Class Vice-Pres., '31;
A. S. C. E.; Math Club.

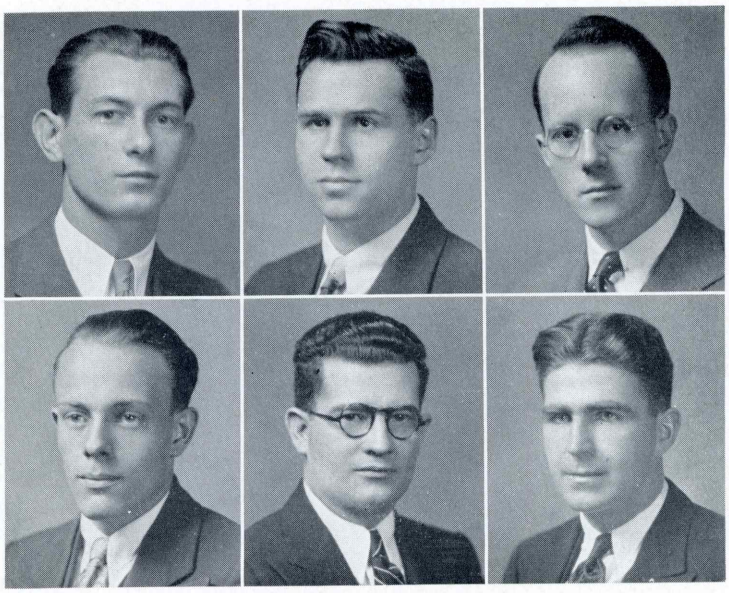
MILTON C. SCHIMPFF, B.S.
"Curt"
Civil Engineering
Townsend Harris Hall
Fordham Evening
Math Club.

WILLIAM SELLS, B.S.
"Willie"
Civil Engineering
New Lots Evening High School
A. S. C. E.; Tennis Team, '31;
Vice-Pres. Math Club, '33;
Class Treas., '33.

HERBERT A. SHINGLER, B.S.
"Bert"
Civil Engineering
Richmond Hill High School
A. S. C. E.

JOHN STEWART, B.S.
"Stewie"
Civil Engineering
Dickinson Accredited Evening
High School
A. S. C. E., Chairman, '33.

H. EARLE VAUGHN, B.S.
"Hoyle"
$\Omega \Delta \Phi$
Civil Engineering
Valley Stream Central High
School
A. S. C. E.



FRANK P. BALACEK, B.S.
"Ballie"
Electrical Engineering
Stuyvesant High School
Basketball, '29, '30, '31, '32, '33; Captain, '31; Mgr., '33; Class Sec'y, '32.

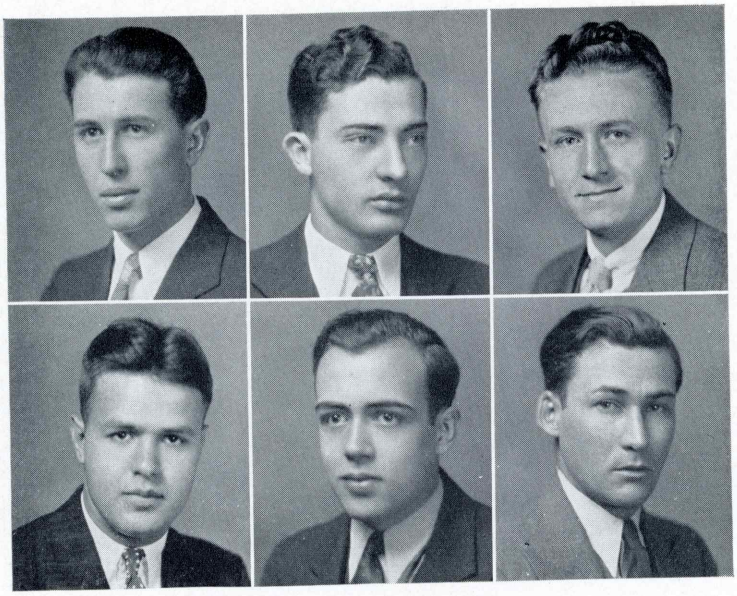
MARTIN F. BROSCHE, B.S.
"Brosch"
Electrical Engineering
Tappan Zee High School

GEORGE A. BERTERO, B.S.
"Bert"
Electrical Engineering
Manual Training High School

JAMES A. BROWN, B.S.
"Brownie"
Electrical Engineering
Saunders Grades School

ROBERT J. BRADY, B.S.
"Bob"
$\Phi \Sigma \Omega$
Electrical Engineering
Stevens Tech
A. I. E. E.

JOHN J. CARROLL, B.S.
"J. J."
$\Phi \Sigma \Omega$
Electrical Engineering
North Monastery, Cork
Class Vice-Pres., '30, '31; Staff Editor of "Cable," '32; Gold "C," '32; Ex-Post Facto, '33.



HECTOR CUTTICA, B.S.
"Heck"
$\Phi \Sigma \Omega$
Electrical Engineering
Technical High School, Italy
Class Secretary, '33.

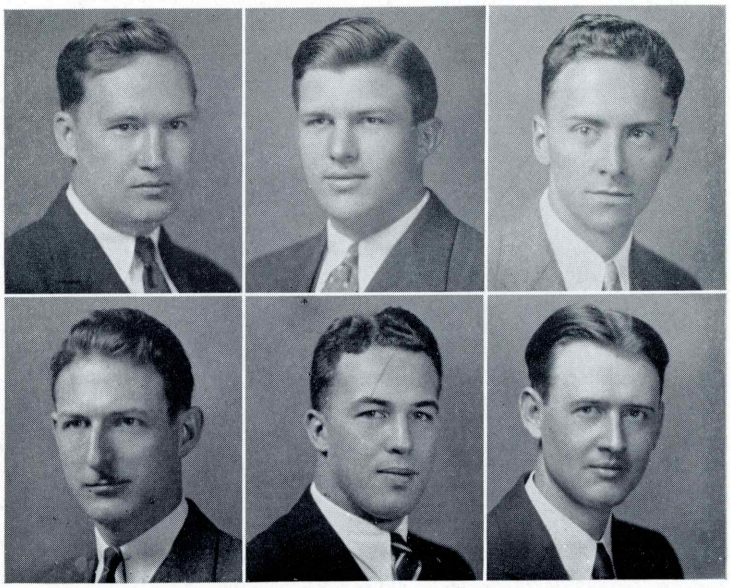
TRAVERS S. ELLIS, B.S.
"Trav"
Electrical Engineering
George Washington High School
Class Treas., '30; Pres., '31; Vice-Pres., '32.

HAROLD T. DUNLAP, B.S.
"Hal"
Electrical Engineering
Orange High School, N. J.

MARVIN O. FICHTER, B.S.
"Fic"
Electrical Engineering
Brooklyn Technical High School
A. I. E. E.

JOHN EGLI, B. S.
"Johnny"
$\Omega \Delta \Phi$
Electrical Engineering
Morris High School

ANDREW FRANQUI, B.S.
"Frankwi"
Electrical Engineering
Cabo Rojo High School



LAMBERT FREERICKS, B.S.
"Lammy"
ΩΔΦ
Electrical Engineering
Mechanics Institute
Class Secretary, '29.

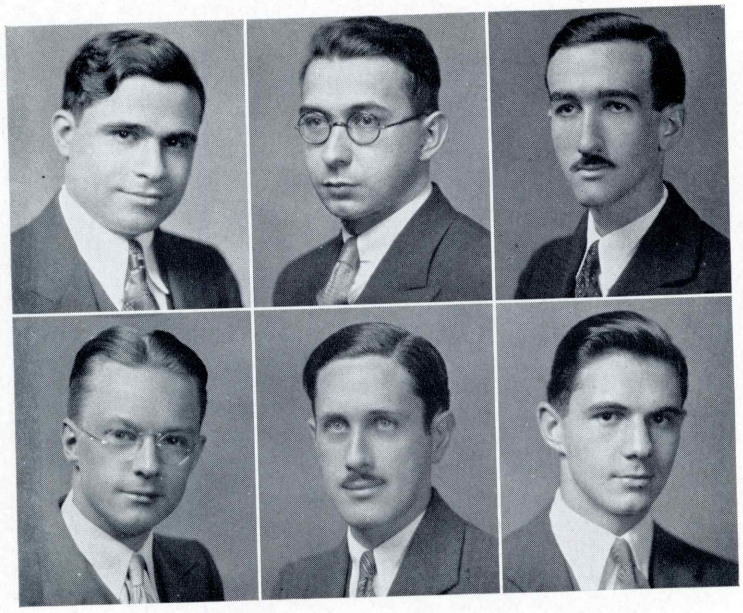
ERICH GRABER, B.S.
"Eric"
ΦΣΩ
Electrical Engineering
Bryant High School
Class Treas., '29; Vice-Pres., '33.

WILLIAM J. HAMM, B.S.
"Bill"
ΩΔΦ
Electrical Engineering
Curtis High School
Football, '29, '30; Newman Club; A. I. E. E.

ARTHUR LUDWIG, B.S.
"Ludy"
Electrical Engineering
Stuyvesant High School
Stevens Tech
Class Treasurer, '31, '32, '33; Senior Key Comm., '33.

LAWRENCE R. OSWALD, B.S.
"Larry"
ΦΣΩ
Electrical Engineering
Hackensack High School
Class Vice-Pres., '29; Treas., '30; Sec'y, '31; Pres., '33; Photo Editor of "Cable," '32; Gold "C," '32; Ex-Post Facto, '33.

EDWARD A. PHELAN, B.S.
"Ed"
ΩΔΦ
Electrical Engineering
Dickinson High School



JOSEPH J. PIANO, B.S.
"Joe"
Electrical Engineering
Memorial High School,
West New York, N. J.

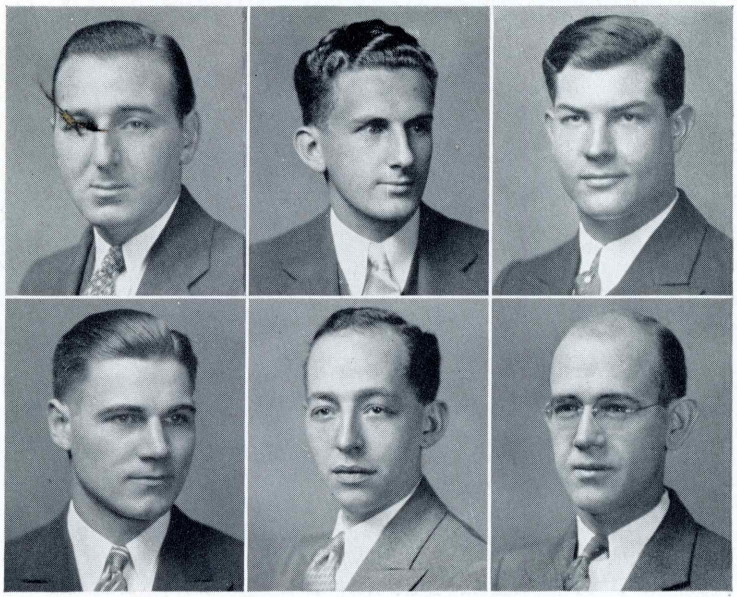
HENRY SOLLER, B.S.
"Heinrich"
Electrical Engineering
Bismarck High School,
Hanover, Germany

LEO GEO. SCHROEDER, B.S.
"Bo"
Electrical Engineering
Hempstead High School

EUGENE R. SPIES, B.S.
"Gene"
$\Phi \Sigma \Omega$
Electrical Engineering
Port Chester High School

JESSE B. SHERMAN, B.S.
"Jess"
Electrical Engineering
Morris Evening High School
A. I. E. E.

WM. VAN ROSENBERGH, B.S.
"Van"
Electrical Engineering
Central High School,
Paterson, N. J.
Class Pres., '32; Student Council, '32.



SAUL S. VELLEMAN, B.S.
"Sam"
Electrical Engineering
Malden High School
"Cable" Representative, '32, '33.

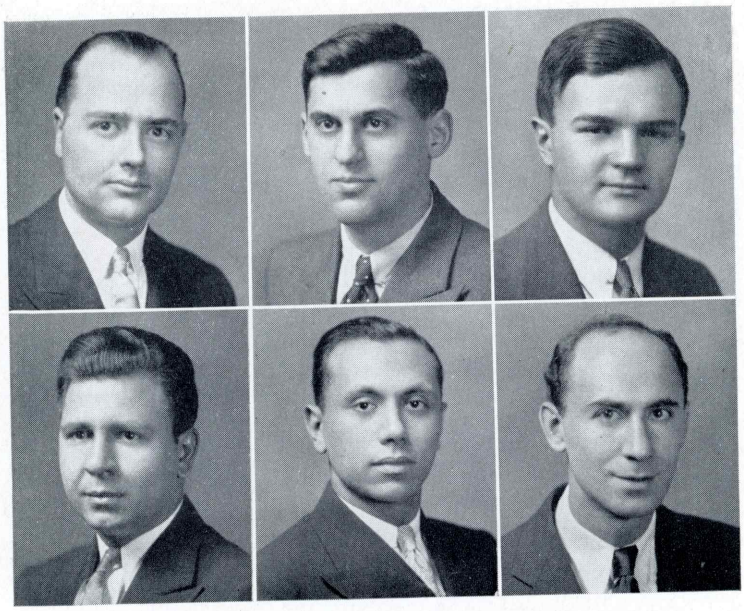
STERLING T. GUSTAVSON, B.S.
"Gus"
ΦΣΩ
Mechanical Engineering
Brooklyn Technical High School
A. S. M. E.; Track Team, '29; Chairman, Class Affair Comm., '29; Circulation Mgr. of "Cable," '32; Gold "C," '32; Ex-Post Facto, '33.

W. WALLACE WAGNER, B.S.
"Wally"
ΦΣΩ
Electrical Engineering
Bushwick High School

HERBERT I. HARRIS, B.S.
"Babe"
Mechanical Engineering
Harlem Evening High School
A. S. M. E.; Math Prize, '30; Math Club Pres., '31; Vice-Pres., '32; Class Vice-Pres., '32; Advertising Mgr., "Cable," '32; Gold "C," '32; Ex-Post Facto, '33.

ERNST C. GRABER, B.S.
"Ernie"
ΦΣΩ
Mechanical Engineering
Bryant High School
A. S. M. E.; Class Sec'y, '31; Treas., '32; Vice-Pres., '33; Basketball, '32; Senior Key Comm., '32.

C. R. HORNBY, B.S.
"C. R."
Mechanical Engineering
A. S. M. E.



RONALD HOTALING, B.S.
"Hot"
Mechanical Engineering
George Washington High School
A. S. M. E.

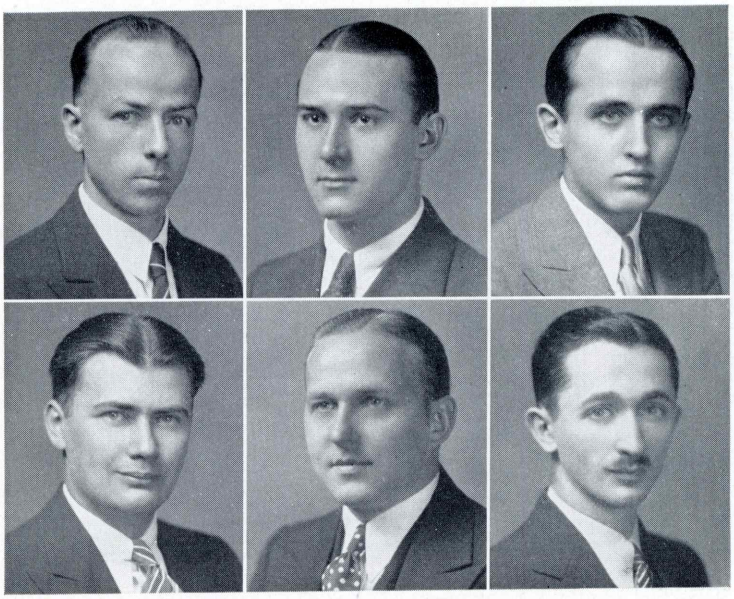
AGATO S. LUCERI, B. S.
"Luce"
Mechanical Engineering
Mechanics Institute
A. S. M. E.

HARRY LEVY, B.S.
"Harry"
Mechanical Engineering
South Side High School
A. S. M. E.

PHILIP MARTORANO, B.S.
"Martie"
Mechanical Engineering
Newtown High School
A. S. M. E.; Newman Club.

JAMES S. LOCKE, B.S.
"Jim"
$\Phi \Sigma \Omega$
Mechanical Engineering
Upper Canada College
Sec'y A. S. M. E.; Class Treas., '30, '31; Pres., '32, '33; Sec'y C. U. N. S. C., '32; Chairman Junior Prom, '32; Gold "C," '32; Annual Dance Comm., '33.

HERMAN PLASSE, B.S.
"Plassey"
Mechanical Engineering
East Side Evening High School



CHARLES SCHNEIDER, B.S.
"Charlie"
Mechanical Engineering
Bay Ridge Evening High School
A. S. M. E.; Class Treas., '33.

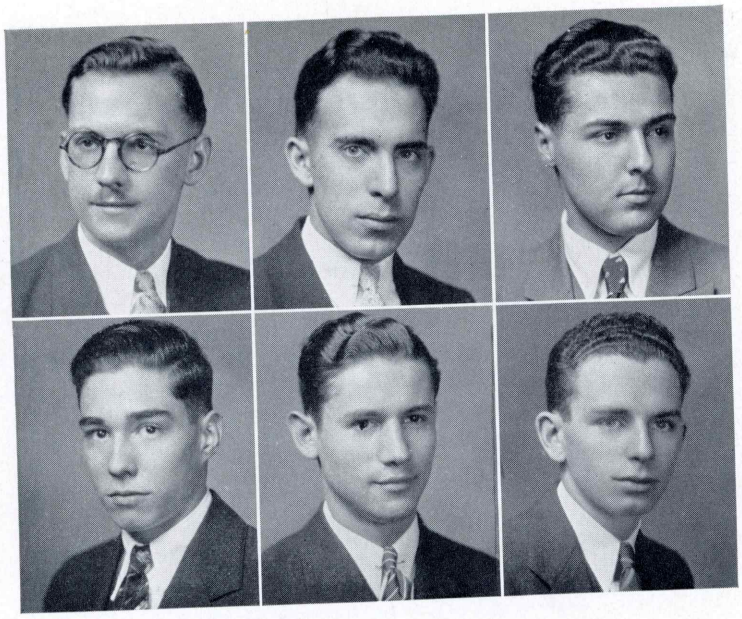
JOSEPH W. SVOBODA, B.S.
"Joe"
ΦΣΩ
Mechanical Engineering
Newtown High School
City College of New York
A. S. M. E.; Junior Prom Comm., '32; Senior Hop Comm., '33.

THEODORE B. SMITH, B.S.
"Smitty"
ΣΑΠ
Mechanical Engineering
Brooklyn Technical High School
A. S. M. E.

JOHN G. WAGNER, B.S.
"Dutch"
ΦΣΩ
Mechanical Engineering
Manual Training High School
Brooklyn Polytechnic Inst.
A. S. M. E.

CHARLES F. SPAHN, Jr., B.S.
"Charlie"
Mechanical Engineering
Stuyvesant High School
A. S. M. E.; Class Sec'y, '33.

WILLIAM A. ZIEVE, B.S.
"Bill"
Mechanical Engineering



JOSEPH A. KORANY, B.S.

"Joe"

Chemical Engineering

Class Vice-Pres., '30, '32; Tennis Team, '30, '31; Tennis Mgr., '32; Asst. Bus. Mgr., Pioneer, '31; Bus. Mgr., '32; Class Pres., '33.

J. P. BOGART, B.S.

"Bogey"

$\Lambda\,\Sigma\,K$

Tech

Chemical Engineering

George Washington High School

A. I. Ch. E.; Rifle Club, '31, '32; Junior Prom Comm., '31; Pioneer Staff, '33; Math Club.

LESTER BAUSER, B.S.

"Les"

$\Omega\,\Delta\,\Phi$

Tech

Mechanical Engineering

Richmond Hill High School

Treas., A. S. M. E., '32; Chairman, A. S. M. E., '33; Math Club; Orchestra Conductor, '31, '32, '33; Pres. Student Council, '33; Scholarship, '30, '31.

SOL SAUL COOPER, B.S.

"Coop"

$A\,M\,\Sigma$

Tech

Chemical Engineering

Boys' High School

A. I. Ch. E.; Math Club; M. A. O.

OSCAR BESSIO, B.S.

"Bess"

Tech

Mechanical Engineering

W. L. Dickinson High School

A. S. M. E.; Math Club; Concert Master, Orchestra, '31, '32, '33; Bus. Mgr. Musical Organization; Student Council, '32, '33; Pioneer Staff.

FRANCIS J. COSTELLO, B.S.

"Frank"

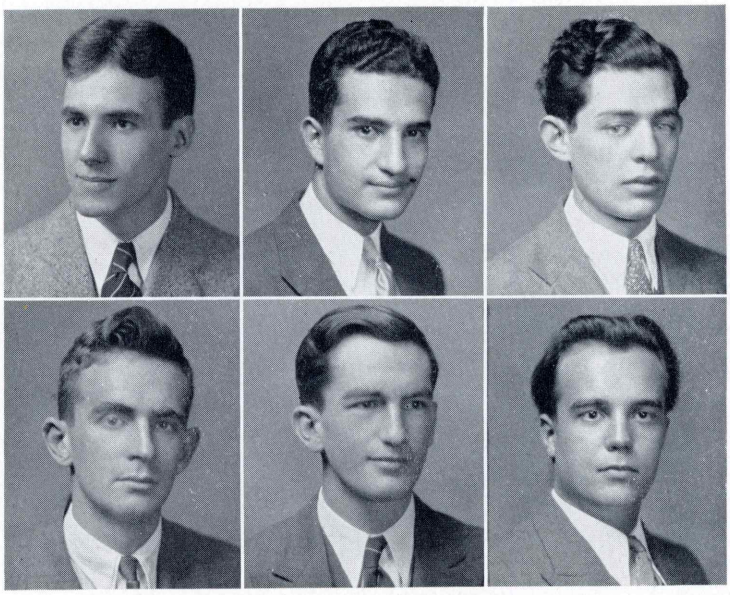
$\Omega\,\Delta\,\Phi$

Tech

Electrical Engineering

Regis High School

A. I. E. E.; Class Pres., '32; Math Club; Newman Club, '30, '31; Treas., Newman Club, '32; Pres., Newman Club, '33.



EDWARD J. DENARI, B.S.
"Ed"
Tech
Mechanical Engineering
Manual Training High School
A. S. M. E.; Math Club.

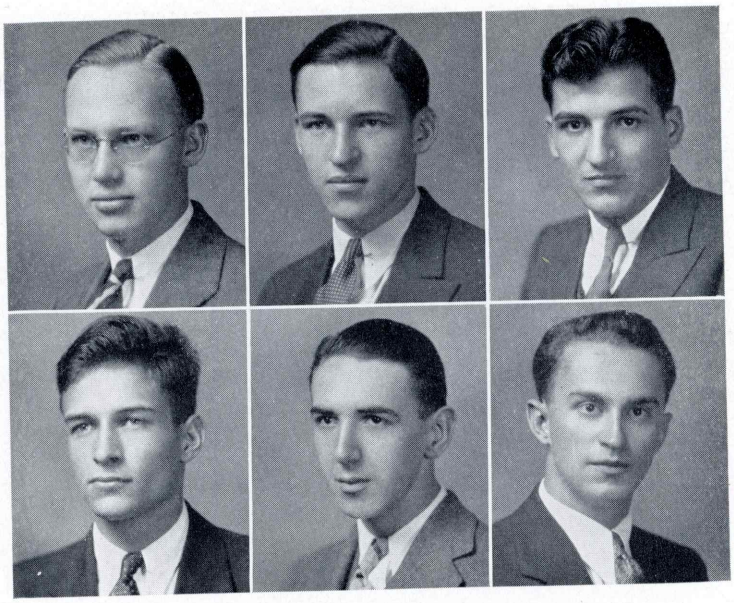
MAURICE W. GROVES, B.S.
"Lefty"
Σ A Π
Tech
Civil Engineering
Roxbury High School
Sec'y, A. S. C. E., '33; Rifle Club; Student Council, '33.

HUGO J. DiGIOVANNI, B.S.
"Digi"
Λ Σ K
Tech
Electrical Engineering
James Monroe High School
Vice-Chairman, A. I. E. E.; Math Club; Newman Club; Student Council, '32.

EDGAR D. HINTON, B.S.
"Ed"
Λ Σ K
Tech
Mechanical Engineering
Roosevelt High School
A. S. M. E.; Math Club; Class Vice-Pres., '30; Treas., '32; Recording Sec'y, Student Council, '31; Treas., '33; Chairman, Entertainment Comm., '30; Junior Prom Comm., '32; Chairman, Tech Dance Comm., '33; Gold "C," '32; Baseball, '31; Football, '32; Asst. Basketball Mgr., '32; Mgr., Basketball, '33; A. A. Executive Comm., '32, '33; Student Council, '30, '31, '32, '33; Comm. on Athletics, '33.

MARTIN GREENSPAN, B.S.
"Moe"
Tech
Electrical Engineering
Lincoln High School
A. I. E. E.; Math Club; Tech Editor of "Cable," '32; Pioneer Staff, '32; Ex-Post Facto, '33; Pi Sigma; M. A. O.

FELIX A. INSLERMAN, B.S.
"Felix"
Σ A Π
Tech
Electrical Engineering
New Brunswick Senior High School
A. I. E. E.; Rifle Team, '31; Math Club; Pioneer Staff, '29; Managing Editor, Pioneer, '30, '31.



HELMAR JENSEN, B.S.
"Yo-Yo"
Σ Α Π
Tech
Electrical Engineering
Stuyvesant High School
A. I. E. E.; Math Club; Scholarship, '30.

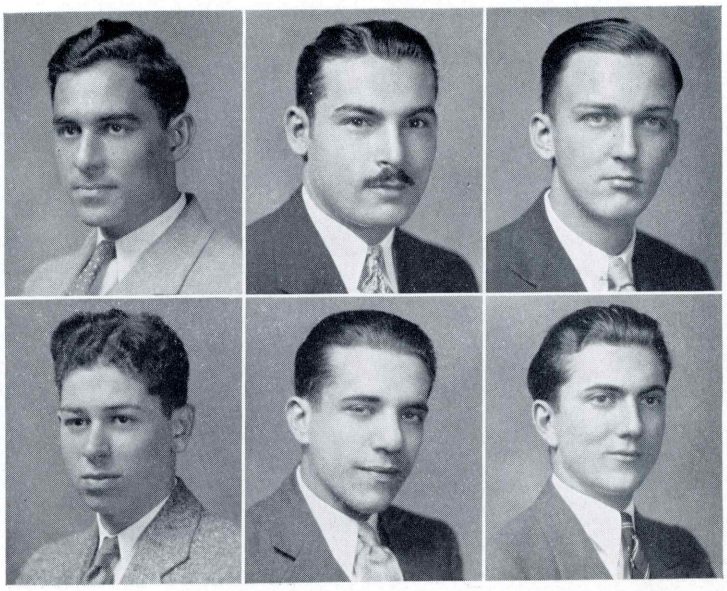
SYDNEY LAWLESS, B.S.
"Syd"
Tech
Chemical Engineering
Malverne High School
Student Council; Class President, '33; Chancellor, M. A. O.

EMIL KELLER, B.S.
"Em"
Σ Α Π
Tech
Electrical Engineering
Stuyvesant High School
Math Club; Basketball, '29, '30, '31.

STANLEY K. McKEEVER, B.S.
"Mack"
Tech
Electrical Engineering
Gorton High School

CHARLES J. LA GRECO, B.S.
"Charlie"
Tech
Civil Engineering
Franklin K. Lane High School
A. S. C. E.; Class Vice-Pres., '32, '33; Student Council, '32; Senior Executive, '33; Chairman, Entertainment Comm., '33; Pres. A. A., '33; Baseball, '31, '32, '33; Baseball, Capt., '32; Mgr., '33; Basketball, '33; Rifle Club; Math Club.

MYRON S. MISCHANSKI, B.S.
"Mish"
Λ Σ Κ
Tech
Chemical Engineering
East Rutherford High School
Student Council; Orchestra; Rifle Club.



ALBERT I. NERKIN, B.S.

"Nerk"

Tech

Chemical Engineering

Townsend Harris Hall High School

Sec'y, A. I. Ch. E., '33; Scholarship, '29; Student Council, '32; Herbert Baldwin Fund Prize, '32.

WILLIAM W. RIGROD, B.S.

"Bill"

Tech

Electrical Engineering

James Monroe High School

A. I. E. E.; Pres., Math Club, '33; Managing Editor, "Pioneer," '33; M. A. O.; Pres., Meter and Pen, '33; Pi Sigma, '33; Vice-Pres., Math Club, '32; Tech Adv. Mgr., "Cable," '32; Ex-Post Facto, '32; Class Sec'y, '32; Glee Club, '32; Class Treas., '31; Scholarship, '30, '31, '32, '33.

JOSEPH PANEBIANCO, B.S.

"Pane"

$\Omega \Delta \Phi$

Tech

Chemical Engineering

New Utrecht High School

A. I. Ch. E.; Math Club; Student Council.

MATTHEW J. ROSENSTOCK, B.S.

"Matty"

$M \Lambda \Pi$

Tech

Electrical Engineering

Morris High School

Columbia Extension

A. I. E. E.; Math Club, '30, '31, '32, '33; Pioneer, '30, '31; Asst. Production Mgr., Pioneer, '33; Pi Sigma, '31, '32, '33.

HENRY J. QUEEN, B.S.

"Jerney"

Tech

Electrical Engineering

Brooklyn Prep School

A. I. E. E.; Circulation Mgr., Cable, '32; Newman Club Executive Comm., '32; Ex-Post Facto, '33; Class Sec'y, '33; Math Club, Librarian, '33; Treas., Newman Club, '33; Glee Club Director, '33.

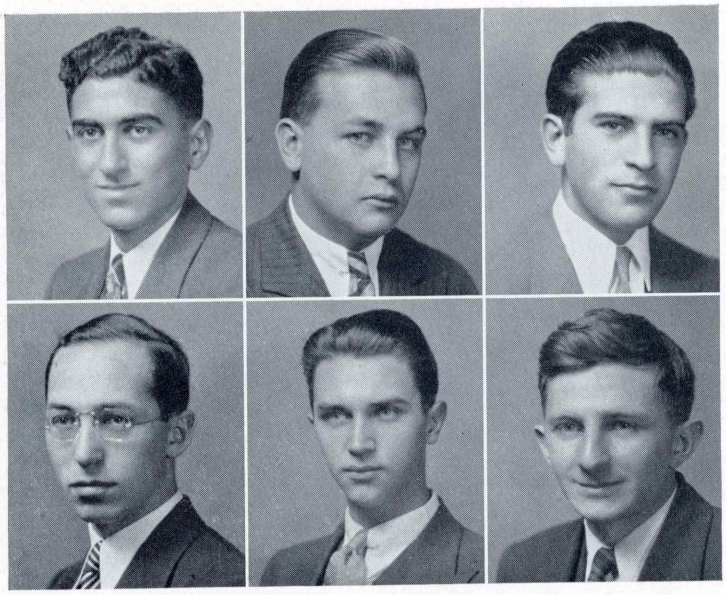
HOWARD C. SCHNEIDER, B.S.

"How"

Tech

Electrical Engineering

A. I. E. E.; Sec'y, Glee Club, '32; Vice-Pres., Newman Club, '32.



MORRIS SCHNEIDERMAN, B.S.
"Moe"
Tech
Chemical Engineering
New Utrecht High School
Pres., A. I. Ch. E.; Student Council; Math Club; Concert Orchestra; Dance Orchestra.

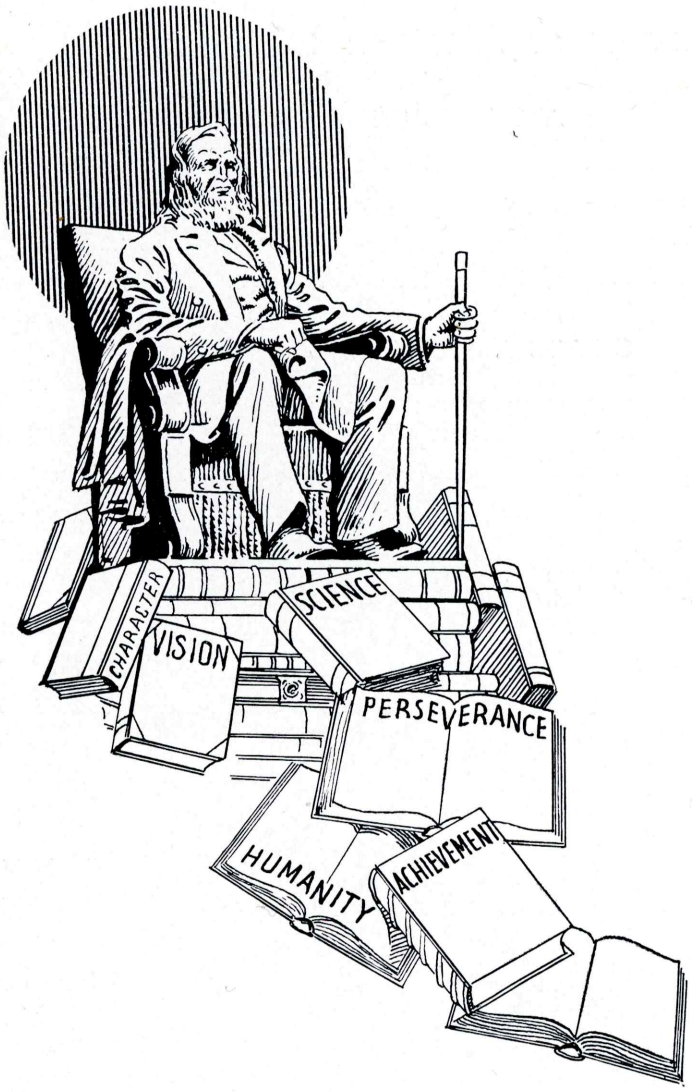
DANIEL SOLINS, B.S.
"Dan"
Tech
Civil Engineering
Brooklyn Technical High School
A. S. C. E.; Math Club; Rifle Club; Pi Sigma; Pioneer Staff, '30.

EDW. SCHOENFELD, Jr., B.S.
"Eddie"
Σ Λ Π
Tech
Mechanical Engineering
Peekskill High School
A. S. M. E.; Math Club; Rifle Club.

JOHN S. STEPSIS, B.S.
"Johnny"
Λ Σ Κ
Tech
Civil Engineering
Alexander Hamilton High School
Sec'y, A. S. C. E., '32; Pres., Rifle Club, '32; Mgr., Rifle Club, '33; Newman Club.

BERNARD H. SILBERMAN, B.S.
"Berny"
Tech
Electrical Engineering
Morris High School
A. I. E. E.; Math Club.

JOSEPH B. WATKINS, B.S.
"Benny"
Μ Α Π
Tech
Stuyvesant High School
Electrical Engineering
Chairman, A. I. E. E.; Treas. Math Club, '33; Treas., Mu Alpha Pi, '33; Scholarship, '30, '31, '32, '33.



THE CLASSES

JUNIORS

The Classes of Nineteen Thirty-four

ARCHITECTURE

J. D. NEVINS ..... President
F. W. BROWN ..... Vice-President
A. J. CLEARMONT, Jr. ..... Secretary
F. E. McGRATH ..... Treasurer

CHEMICAL ENGINEERING

A. O. PLOETZ ..... President
A. ROMAN ..... Vice-President
J. DONATO ..... Secretary
R. MORAN ..... Treasurer

CIVIL ENGINEERING

S. J. ZAWADOWICZ ..... President
M. LA FORTE ..... Vice-President
W. ROWLAND ..... Secretary
H. HALBREICH ..... Treasurer

ELECTRICAL ENGINEERING

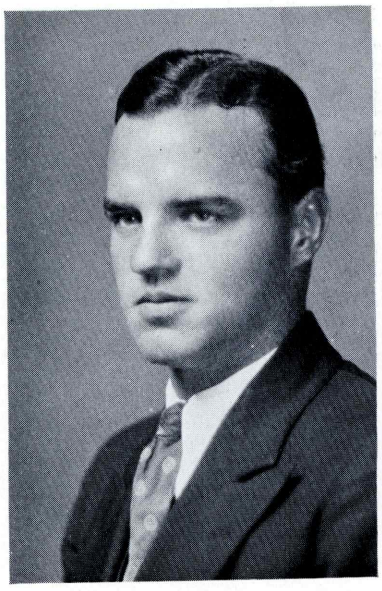
G. E. RIBREAU ..... President
A. G. COFFIN ..... Vice-President
L. T. McGUIRE ..... Secretary
W. RATH ..... Treasurer

MECHANICAL ENGINEERING

M. E. ROTH ..... President
D. DARDICK ..... Vice-President
J. PETERSEN ..... Secretary
H. IHLENBERG ..... Treasurer

INSTITUTE OF TECHNOLOGY

H. KIHN ..... President
H. A. KLUG ..... Vice-President
R. TOROP ..... Secretary
S. SCHILITZ ..... Treasurer



JOSEPH BATKA, Jr.

"Bat"

Architecture

Vocational High School, De Witt Clinton High School, New York University.

"Bat" is that tall handsome fellow who calls the roll at the beginning and the end of each class period. He's the best man fitted for the job. Why? Because he gives you the benefit of the doubt whenever you may be a few minutes late.

The fair sex must be a constant annoyance to this handsome chap, but he never seems to mind such sweet annoyances for he is always in the best of humor.

However, "Bat" is right on the job with his drawings and can always be depended upon to have his work up to date.

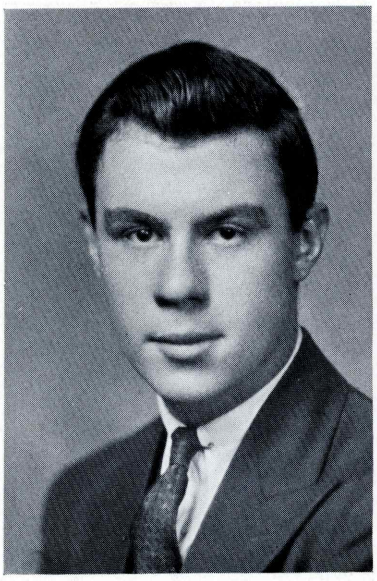
AARON H. BECK

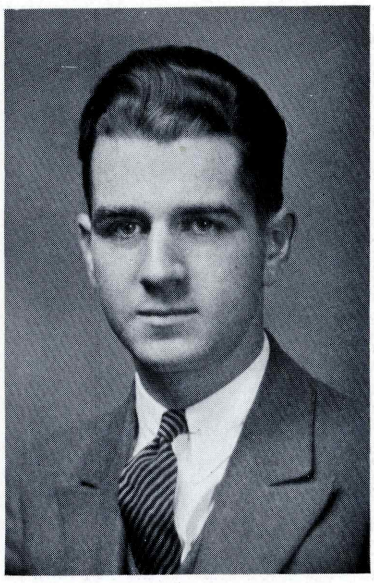
"Peck"

Architecture

Brooklyn Technical High School
Honorable Mention, '32

"Peck" is one of the few boys who does not fool around in class. He's so conscientious that he seldom goes out of the room for a drink of water. On very rare occasions he slips out to wet his palate. This indicates that he had fish just before he came to school. He gets a kick out of pondering over his problems for hours and not drawing a single line. He does this often. Sometimes he d r a w s as many as two lines throughout the evening but somehow or other he finishes his work with the rest of the students.





MAX BIEDERMAN

"Red"

Architecture

Brooklyn Technical High School

Honorable Mention, '30

Max is one of the youngest students of the class and what a wizard he is with a pencil. Into his work he thrusts his great store of energy and vitality, creating with a joy and delight that is an inspiration to all who come in contact with him. He is possessed of such sterling qualities and character, coupled with a simple and unaffected nature, it is easy for him to arouse loyalty and esteem, and no man is more blessed with fine and firm friendships. His nature and unalloyed affections are always dominant.

F. W. BROWN

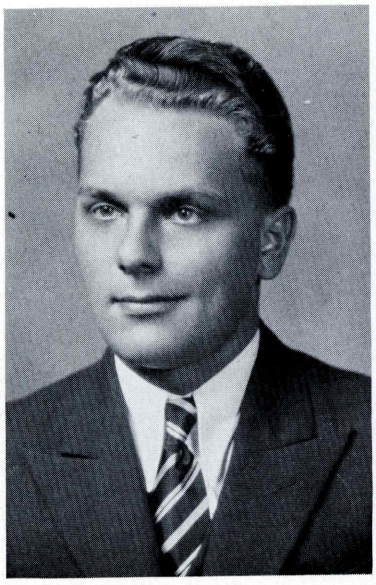
"Brownie"

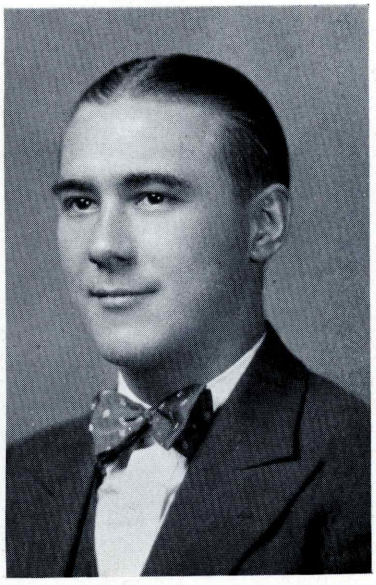
Architecture

Vice-President, '33

"Brownie" is not the type of student who demands to be heard. That is why he was elected vice-president of the Junior Class Architects. In fact we very seldom know just what "Brownie" is doing on his latest work of architecture. He gives the closest attention to all class work and we know he will make good, not only as a student but also when he leaves Cooper Union.

By the way, "Brownie" seems to think we have a very good vice-president.





FRANK P. BROZ

"Frank"

Λ Σ Κ

Architecture

Newtown High School

Class Sec'y., '33; First Prize, '32; Arch. Editor of Cable, '33.

An embryo architect who will, in due time, make us all sit up and take notice of him. He thinks the Empire State Building is just a shack in comparison to the brain-child he is nursing along on our tracing paper.

If Frank doesn't learn to control his mania for speed while driving what he calls his automobile (we know it to be a salvaged concrete mixer) that brain-child of his may never materialize. However, we hope it will.

FRANK W. BURNS

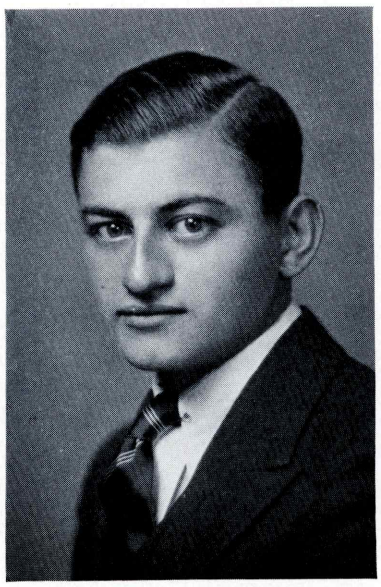
"Bowtie Frankie"

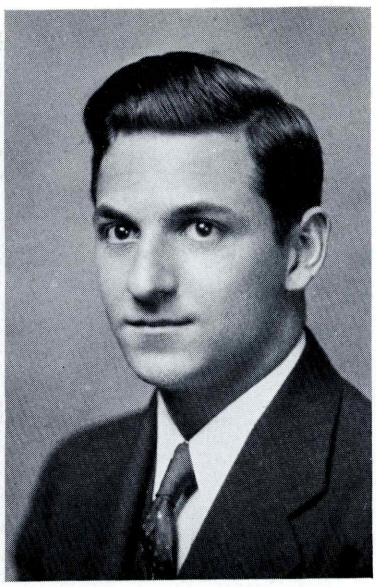
Architecture

Dickinson High School, Mechanics Institute

Class Treasurer, '32.

Frank is the guy who is always hoping that an earthquake would hit New York and wreck all the buildings so that the construction business would be revived. Maybe he gets those ideas from drinking too much coffee. Outside of that he is a likeable chap and a glance at Frank's activities will attest to his versatility as a man of affairs. As a student he shines in all his classes even in the Estimating class. Good luck to the future estimator and constructor.





DOMENIC CASTELLO

"Cossy"

Architecture

New Utrecht High School

Class Secretary, '32

"Cossy" is another of those ambitious and studious Mount Vernonites that find Cooper Union interesting. We have a suspicion that aside from the class work attraction, there must be a greater attraction for him. We wonder if the costume and designing class in Room 23 has anything to do with it.

In him we find a budding Architect. Give him a pencil, a sheet of paper and an eraser and you will soon see a rough sketch of a home that will almost entice you into matrimony for an excuse to settle down in a home he can so easily design.

ALBERT J. CLERMONT, Jr.

"Bob"

$\Delta\ \Sigma\ K$

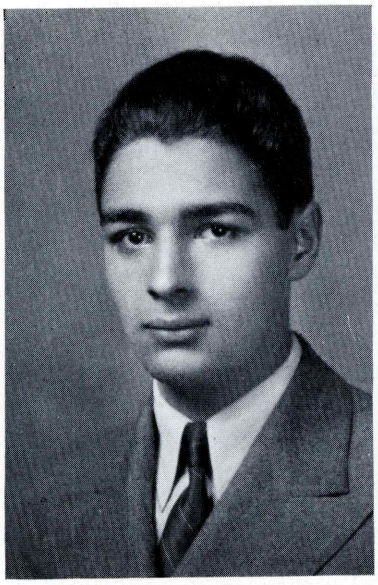
Architecture

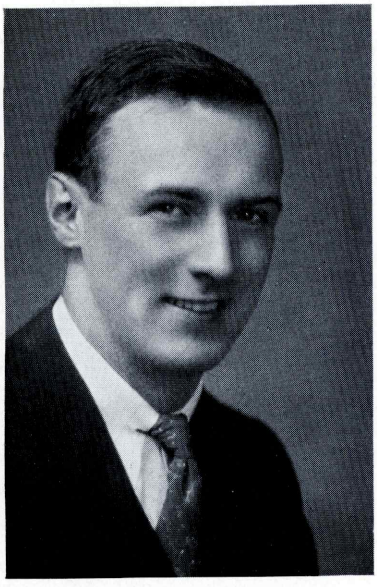
Saunder's Technical High School, Yonkers

Honorable Mention, '30; Class Vice-Pres., '33

"Bob" hails from far-off Yonkers. Far off in his opinion after a long night in class. Why he lives in Yonkers is as much a mystery as why his nickname is "Bob."

He is a sober and industrious young man (well—at least industrious) with a keen sense of humor and an eye for the ladies. He has the school's interest at heart as well as his own and no job is too hard for him to tackle. What merits he has attained are through his own diligence and hard work and if school work is any criterion of success, you may be sure his future life will also be.





HENRY COHEN

"Hen"

Architecture

Boys' High School

Worth makes the man, who can say differently? Henry sure does show his worth by his consistent success, both in his work and in class. His personality tends to increase the seriousness of his profession, which in time will surely prove his ability as an Architect.

LAWRENCE C. CONNIN

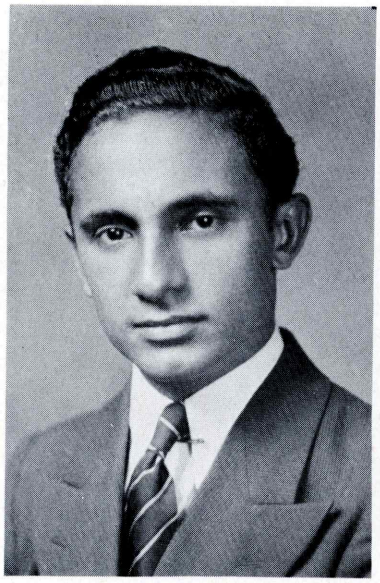
"Larry"

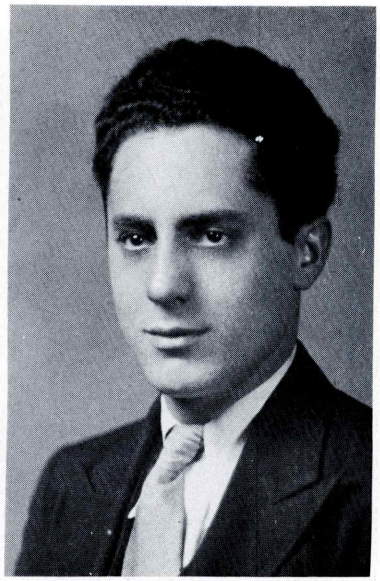
Architecture

Dickinson High School

Honorable Mention, '32

"Larry" is a very quiet chap who minds his own affairs at all times and is always willing to help his classmates. When he starts something, he sticks to it until it is complete. In his spare moments he likes to build or do some other work about his home. "Larry's" hobbies are to play a drum, drive a car and swim. His ever-cheerful smile and winning ways together with his willingness to help others have won for him a host of friends.





DOMENIC PAUL DITRANO

"Tom"

Architecture

Vocational High School for Boys

Honorable Mention, '30; Second Prize, '31; Class Vice-Pres., '32

Hello, folks, I want you to meet Tom, one of our future Architects to-be. A very popular young man, indeed. He is of a quiet sort, but as the old proverb says "Still water runs deep." This is true of "Tom." He is a very hard and ambitious worker who takes much pride in his work. He is sure to be successful in life if he keeps up his good record.

Has three main ambitions in life —first, to become an R.A., second to build his own mansion and third —well, use your own judgment.

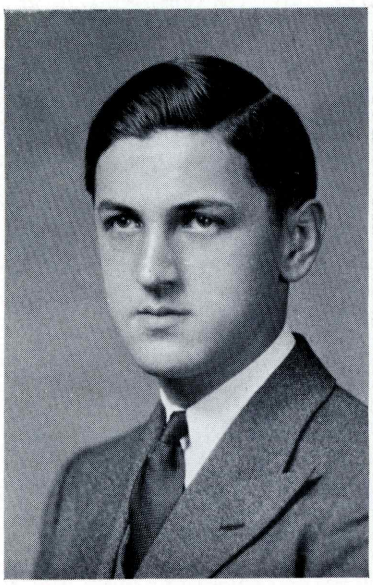
L. L. EBENSTEIN

"L. L."

Architecture

Morris High School

Here is one of the most ambitious students of the Junior Class. Upon completing a four year course at Cooper Union he hopes to be able to draw a big salary. Some day the Class of 1934 will read of the new 350- story building to be designed by "L.L." and that's some tall story. Frankly, however, we cannot see how one with his qualifications cannot succeed in his chosen profession.



JOSEPH EMMA

"Emmy"

Architecture

Boys' High School

Class Vice-President, '33

"Emmy" is one of those quiet, unassuming fellows, and his character may well be judged by the above picture. He is well liked by his classmates for his ability to get along. Probably no one in the school has more friends and less enemies than he.

The fact that he was elected vice-president of his section proves that it isn't necessary to be a braggart to attract attention. He is conspicuous for not being conspicuous.

Hard worker, yet never too busy to help others, he will be remembered as just friendly, quiet, dependable "Emmy."

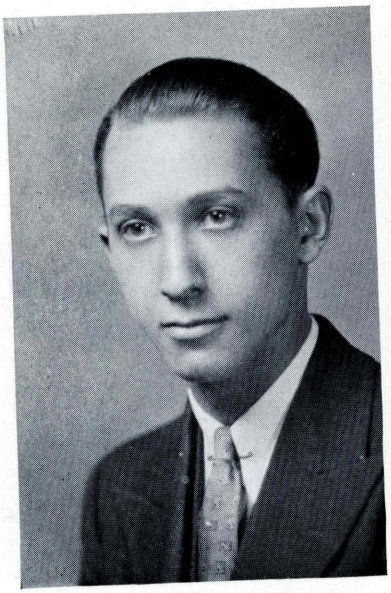
WALTER JOSEPH FOLEY

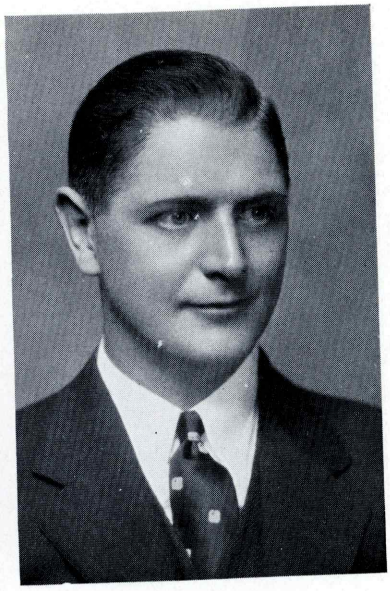
"Tarzan"

Architecture

High School of Commerce

Answers to the name of Walter. A youth so chock-full of enthusiam and pep, he fairly bubbles over. His hobby is airplanes, to the discomfort of his friends who must listen while he explains intricate technicalities of plane design. Was appointed Sergeant at Arms, to keep him quiet. He is a member of a Volunteer Fire Department and sports a nifty Fire Department emblem on his car. He has a leaning toward the ultra modern in design and might create a new field of Architecture. Who knows.





M. HANDELMAN

"Handie"

Architecture

"Handie's" sunny disposition has won him the admiration and friendship of his fellow classmates. He is the type of a fellow who is always obliging and sincere. "Handie" smokes, drinks, pets and swears. He says that that is the way his women like him.

His ambition is to become an Architect, so for his sake we wish him lots of luck.

CHARLES R. HANSEN

"Charlie"

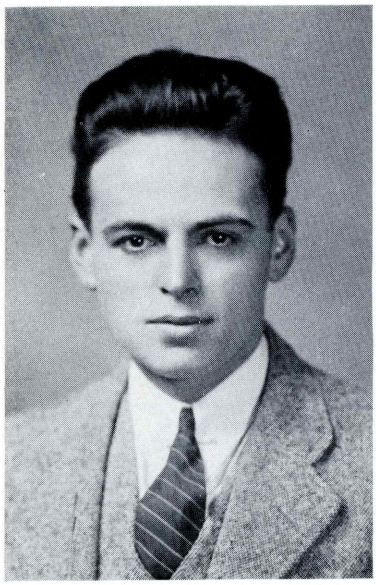
Architecture

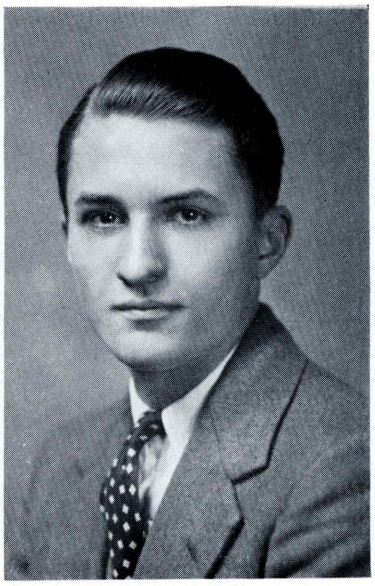
High School, Denmark

First Prize, '30; Honorable Mention, '31

"Charlie" was born in Denmark, where men are men and women are glad of it. You know, the he-man type. He is the quiet kind of fellow except when he laughs and then nobody need ask who it is.

His work is of the best and his credits will show his ambitions in the architectural field. He is at present in the construction line and is often a great help to his fellow students when information is needed.





JOHN P. KILEY

"Johnnie"

Architecture

Murray Hill High School

A.C.C.U.; Football, '29, '30; Honorable Mention, '31; Class Sect'y., '32

Let us introduce pensive yet carefree "Johnnie," another of our interesting classmates and "promising" Architect, we're not positive of the "promising" Architect, but we can truthfully say he's always willing to help his classmates with their drawings. He "promises" to help at least. When there is a problem to be done that requires deep figuring, just ask "Johnnie." Someone saw him at the movies recently, with his arm around a pretty blonde and he explained that he had been assigned homework and was going over some figures.

ROBERT A. J. KOPECKY

"Bob"

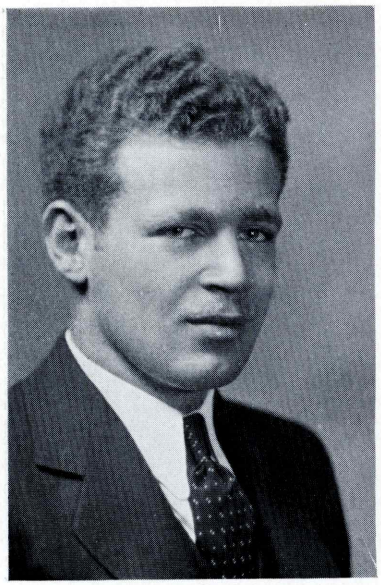
Architecture

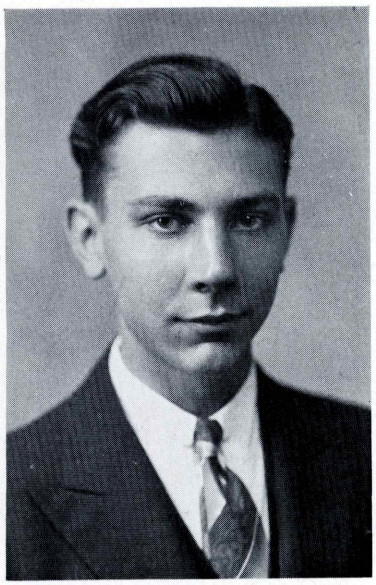
Bushwick High School

Honorable Mention, '31

Once upon a time this young man arrived at the portals of Cooper Union, quite eager to learn Architecture. Although he has found it difficult to become situated in this field, he has succeeded in acquiring a firm foundation. (1-2-5-mix.)

Always ready to share his work (what work) with his classmates, except for one drawback (not a football position) "Bob" is afraid that if the answers are wrong he will make too many enemies. "Bob" thinks that a good Architect should have a few letters after his name. He has his—well, look.





IRVING L. KOPELMAN

"Whitie"

Architecture

New Utrecht High School

Junior Prom Comm., '33, Class Pres., '31

Treas., '32

"Whitie" is the speed demon of Cooper. He sure showed it this year when he was appointed to the Junior Prom Committee. He covered more ground looking for hotels and orchestras in one day than an unemployed Architect looking for work with only a nickel carfare in one month. One of his pet hobbies is singing, which he practices in class or any other place.

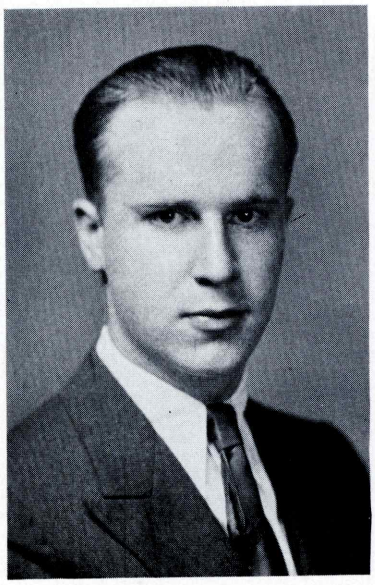
JOSEPH KRAMER

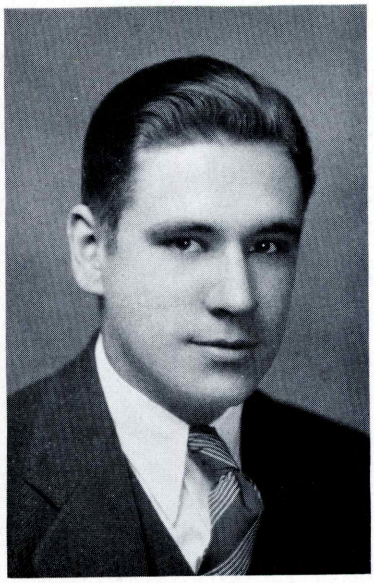
"Joe"

Architecture

Elijah D. Clark High School, Evander Childs High School

"Joe," a well built, quiet sort of fellow with a large vocabulary that he knows how to use. Perhaps his use of uncommon words gives one the impression that he is high-hatting them. This is, however, not the case for "Joe" is just a regular fellow in every sense of the word. He is a clear and deliberate thinker, figuring any ideas or plan out completely before accepting it. He is just "nuts" about modern Architecture and could sketch ideas on the subject by the hour. It is a privilege to say, "I am a friend of Joe's."





EDWARD KRULISH

"Skipper"

Architecture

Murray Hill Technical High School

Eddie has a bad case of "sea-sickness." He yearns to be a sailor. His best pals seem to think that it might be a good thing for "Architecture" if Eddie tulfills his ambitions. However, Eddie is really a serious, industrious (he hates women) chap who should get somewhere. Lots of luck, Eddie.

JOHN J. LEPART

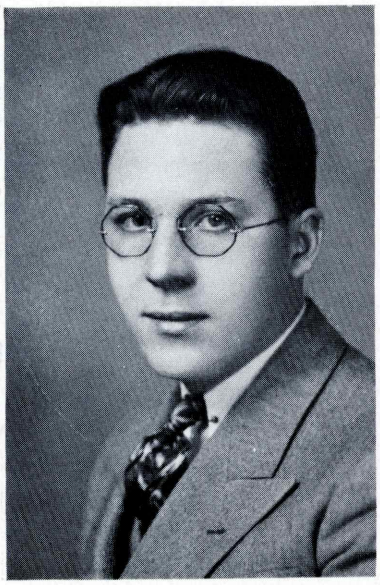
"John"

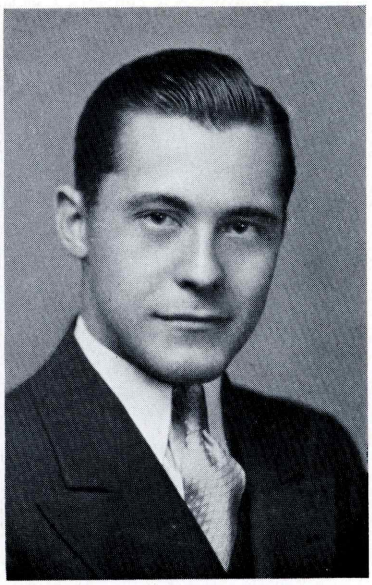
Architecture

Yonkers High School

Honorable Mention, '31, '32

If being an artist means being dissatisfied with the merits of one's work, John is an artist. He never thinks his work is good enough. But in spite of this we feel he will make a darn good Architect. John isn't what the fellows would call a "mixer" (no he doesn't drink) but he has made some friendships in Cooper which we feel and hope will endure. Sh —don't let on we know it, but John's hobbies are Architecture and print collecting.





O. NEUER

"New"

Architecture

Newtown High School

Neuer is full of work and no play. The most serious member in the class. About 5 minutes or so after roll call he comes rushing in and yells to the instructor that he is present. Neuer says that getting in late is the only way to get the teacher to know that he is there. In spite of it all he is a happy fellow in quest of Architectural knowledge. He occasionally finds time for a little kidding with his classmates. The subject always seems to be "wimin." Of course, to look at him you wouldn't think that of him but you never can tell what these serious fellows are up to.

JOHN PATRICK NEVINS

"Professor"

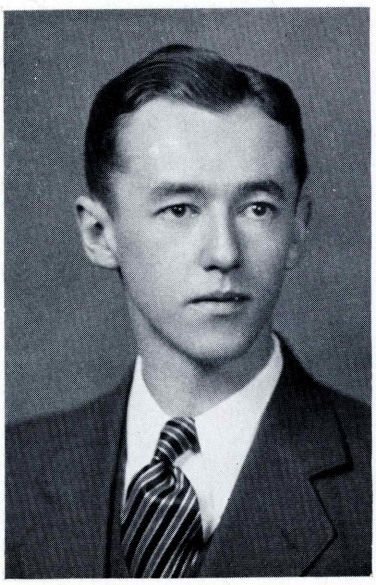
ΛΣΚ

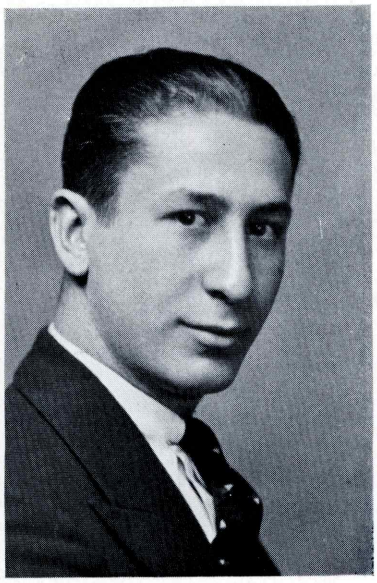
Architecture

James Monroe High School

Class Pres., '33; Vice-Pres., Student Council, '33

Irish, free, white, over 21 and a confirmed bachelor. Has a remarkable smile that is as contagious as a yawn. Surprises people by his quick changes from jokester to the executive. A fluent talker who demands and gets attention. His hobby is breaking in new pipes (must have about three dozen). Used to be an amateur lightweight boxer and a good swimmer but decided to become an Architect and cultivate his brain instead of his body. His magnetic personality combined with his self-confidence assures him of success in anything he undertakes. We predict big things for this boy.





RAYMOND E. NOONAN

"Ray"

Architecture

Richmond Hill High School

Oh, the Plymouth is a wonderful car,
It rides so well and it goes so far,
blah, blah, etc.

"Ray" spends his days in the office of Walter P. Chrysler, on the 56th floor of the Chrysler Building, dividing his time between gazing out of the window, scanning the maze of downtown buildings to find his beloved Cooper Union, and endeavoring to follow in the famous footsteps of Mr. Chrysler.

The greater part of his time in class he spends describing the marvelous features of Chrysler products.

In order to make this consistent with the rest of the eulogies in this book, we might add that "Ray" is a very ambitious youth (not in the Architectural Line, of course) and he will amount to something some day—maybe.

LOUIS PODELL

"Poe"

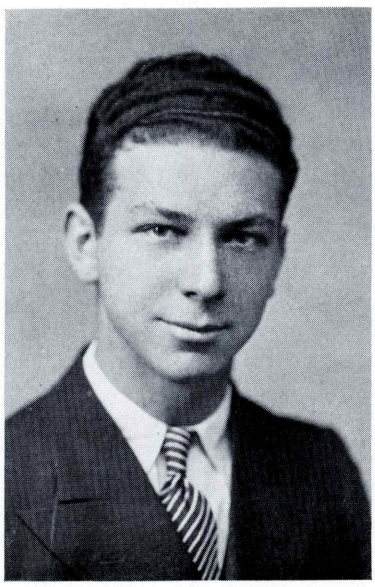
Architecture

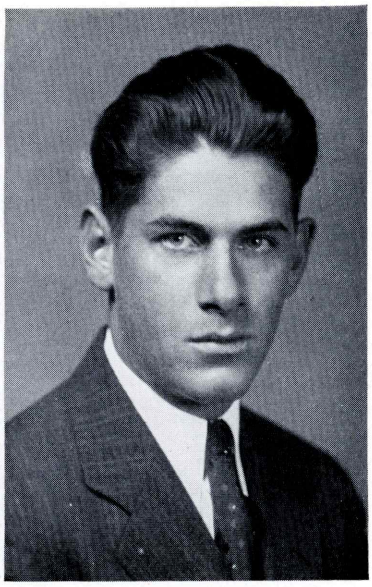
De Witt Clinton High School

City College of New York

Class Pres., '31; Vice-Pres., '33; Arch. Student Council '31.

"Poe" is always saying something on the spur of the moment, that will leave your sides aching from laughter. "Poe" left the vaudeville stage to study Architecture. He is always ready to tell you a good joke that you haven't heard before. His quiet sincerity and unassuming manner have gained for him a large circle of friends and, lest we forget, made him a favorite with the ladies. The class wishes "Poe" as great a success with the fair sex as the success we are sure he will obtain in the Architectural field.





ALVIN POMERANTZ

"Al"

Architecture

Leonia High School, Leonia, N. J.

"Trouble with his car"—why—That's the best excuse for being late to school. Or the ferry almost sank, but aside from that "Al" is a pretty good student and keeps up with the rest of the boys. When it comes to designing gas stations, he's a wow. He ought to be—he's got them on his mind all day. Oh, you grease monkey.

FREDERICK L. RICKMEYER, Jr.

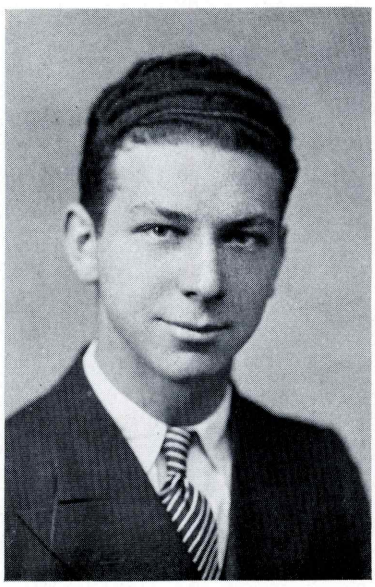
"Rick"

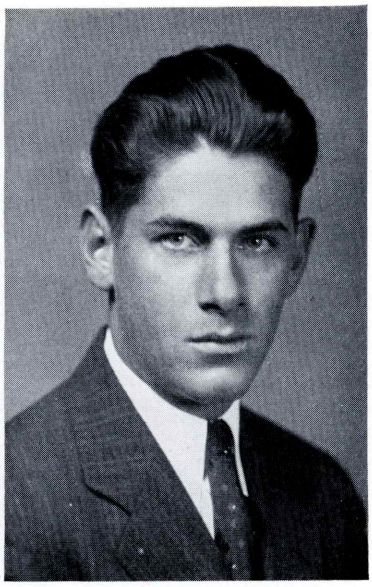
Architecture

Richmond Hill High School

"Rick" is one of the foremost students of the class, and at this writing this contention is borne out with his being in first place. Such a position is gained only by real ability and hard work. It was not only this capable work that attracted me to "Rick" but also his excellent character, high ideals and general good-fellowship. "Rick" reflects my personification of a real friend and it is a rare and exceedingly grateful pleasure to gain his friendship. With these qualifications I can only predict success and the best of luck to "Rick."

Joe.





ALVIN POMERANTZ

"Al"

Architecture

Leonia High School, Leonia, N. J.

"Trouble with his car"—why—That's the best excuse for being late to school. Or the ferry almost sank, but aside from that "Al" is a pretty good student and keeps up with the rest of the boys. When it comes to designing gas stations, he's a wow. He ought to be—he's got them on his mind all day. Oh, you grease monkey.

FREDERICK L. RICKMEYER, Jr.

"Rick"

Architecture

Richmond Hill High School

"Rick" is one of the foremost students of the class, and at this writing this contention is borne out with his being in first place. Such a position is gained only by real ability and hard work. It was not only this capable work that attracted me to "Rick" but also his excellent character, high ideals and general good-fellowship. "Rick" reflects my personification of a real friend and it is a rare and exceedingly grateful pleasure to gain his friendship. With these qualifications I can only predict success and the best of luck to "Rick."

Joe.

CARROLL A. SAIA

"Say"

ΛΣΚ, ΩΣΚ

Architecture

Bay Ridge Evening High School

Class Treasurer, '32

Who is the peppiest little go-getter of a treasurer in Cooper Union? You guessed it, none other than Carroll Saia. Although he is the smallest fellow in the class he makes up for it by his aggressiveness.

His hobby, strange to say, is sketching with charcoal or oils while trying to smoke a pipe. He claims that when the pipe makes him dizzy he can get a better conception of modernistic design.

Like most small men, Carroll has his fingers in every pie. Belongs to Lambda Sigma Kappa, is class treasurer, and aside from Cooper Union, is a student of the Da Vinci Art School.

REVA D. SEGALL

"Kanuck"

Architecture

Ottawa High School

New York University

Sec'y, A. C. C. U.; Class Sec'y, '31, '32; Sec'y Arch. Student Council, '31, '32.

"Kanuck," who came all the way from Ottawa to attain an Architectural education at Cooper, has the distinction of being the only girl in the class of "'34." She solves the mystery of why the boys have been attending classes regularly, and with clean necks and ears.

From the above account you will see that "Kanuck's" activities are not concluded in the classroom. She has cheerfully given her time to the student activities of Cooper with a smile and perseverance, which has been admired by all.

Good luck to you, "Kanuck." With your intelligence and personality you will go a long way in the Architectural Profession.

SAMUEL SEINFELD

"Sam"

Architecture

Stuyvesant High School

"Sam's" ambition is to be one of the foremost Architects in America. While attending Cooper Union, he worked for an Architect and Engineer, and has set his foundation for a successful career. Due to his practical work he has studied a special engineering course at C.C.N.Y. in collaboration with his architectural studies. He is a graduate of Stuyvesant High School and a charter member of the Junior League of the New York Society of Architects. Being quite adventurous he has enlisted in the 71st Infantry, N.Y.-N.G.

MICHAEL SHIFFMAN

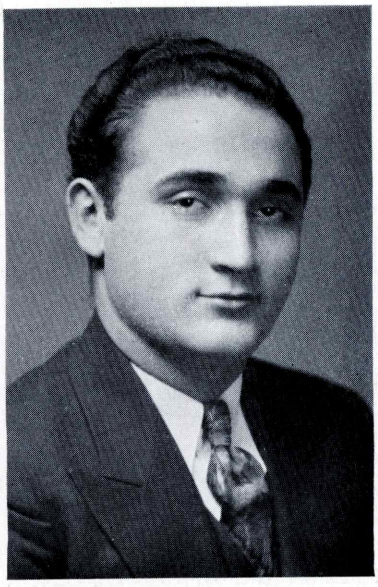
"Mike"

Architecture

Brooklyn Technical High School

"The wise one silent" is a proverb that contains in four words a wealth of meaning. To some, silence implies a shy or reticent nature. To others it has a meaning more eloquent than a world of words could express. It stamps the man who has the sterling quality as a thinker; one who has ideas that penetrate far below the veneer of book knowledge.

Initiative and resource has gained "Mike" a position of respect in the minds of his fellow students. It is our privilege to know him and call him our friend. His ambition is to become an Architect. Here's wishing him luck.



JACK K. SILVERMAN

"Jay"

Architecture

Morris High School

Class Sec'y, '31.

"Jay," who recently adopted the idea of becoming an accomplished Architect, is now showing great possibilities. As a "Freshie" "Jay" was somewhat bewildered with the complications of constructive Architecture. But now, with his many thanks to dear old Cooper, he can distinguish "stud" from a "I" beam. We sincerely feel that "Jay's" efforts were not in vain.

HENRY STEINGISSER

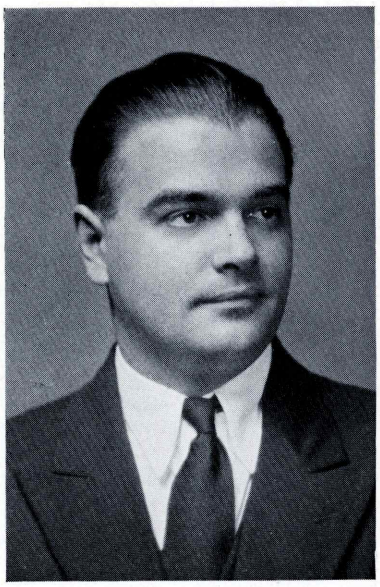
"Mr. Fuller Brush"

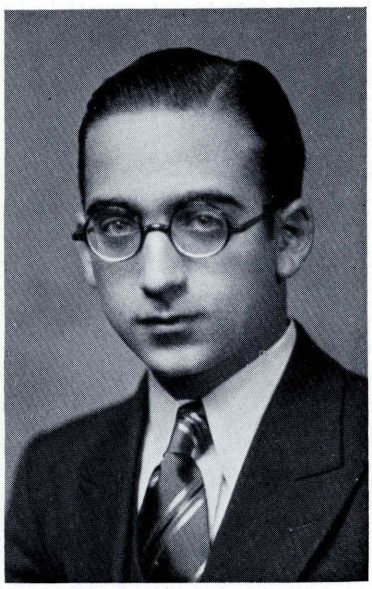
Architecture

Erasmus Hall High School

Morris Evening High School

Mrs. Steingisser's little son Henry, "a kind fate's gift to the Architectural Profession." He is a Prince of a fellow, gets along with every one. In fact one in a million. In case you don't agree with the above statement, don't air your views within hearing of his charming wife for you'll have a fight on your hands. Summed up, Henry is an asset in any one's address book. Henry excels in rendering or in other words painting, you guessed it, he knows his brushes.





JOSEPH SZABO

"Joe"

Architecture

Stuyvesant High School

Third Honorable Mention, '32.

What: There he is. This is "Joe." "Who is he?" "What about him?" These questions would be asked. Well, he is that little fellow that helps others work out problems but cannot make much progress on his own.

He is ambitious, industrious, and gets a kick out of researching. Depression has him so he's looking for prosperity. His ambition is to hold a high engineering position, so that's why he starts at the bottom. He is quiet and thinks a lot. There must be something in the wind. He doesn't care for femmes. He'll make the grade, just watch him.

FRANK TESSITORE

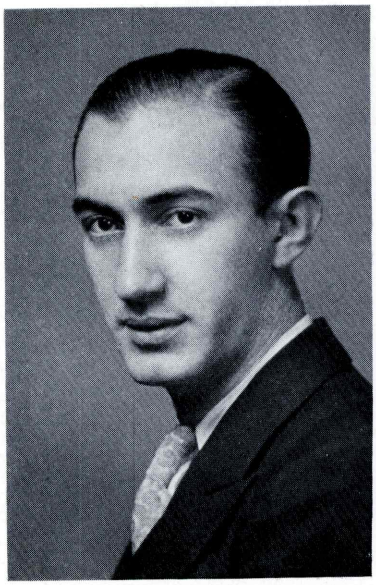
"Frank"

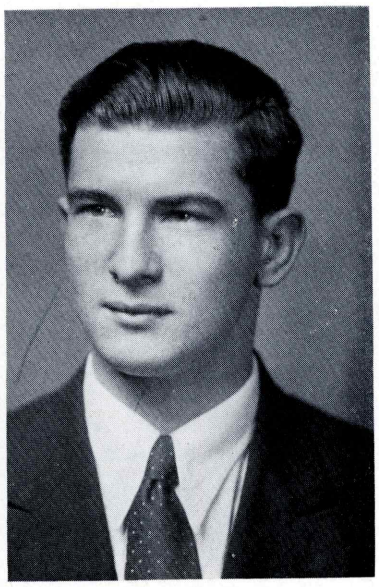
Architecture

New Utrecht High School

Class Treasurer, '33.

"Frank" is a likeable chap with a pleasant smile and an engaging personality. His willingness to help his classmates has made him a great many friends. He is treasurer of his section and when he comes around to collect you have to lock up your gold teeth or he'll even take them as security. We suspect he has a tin box hidden away somewhere. His pet peeve is anyone who says Eyetalian instead of Italian. The only thing he dislikes about school is that he has to miss his spaghetti to come in on time.





DAVID WEISBURG

"Dave"

East Side Evening High School

Class Pres., '30, '32; Junior Prom Comm., '33.

"Dave" is a sociable, good all-around fellow with a pleasing personality and full of fun. He can always be depended upon to stay after school to take part in one activity or another. This is evident in the fact that he was a member of numerous committees and holder of several offices during his school career. His success in years to come shall surprise no one, for energy, tempered with a sense of humor, is generally a good foundation for success.

NICHOLAS YANTSIN, Jr.

"Junior"

Architecture

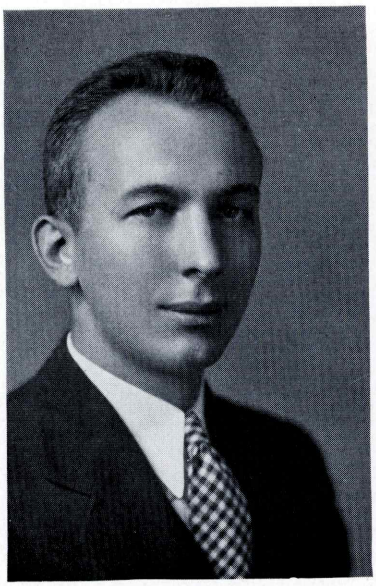
Weatherwax High School,

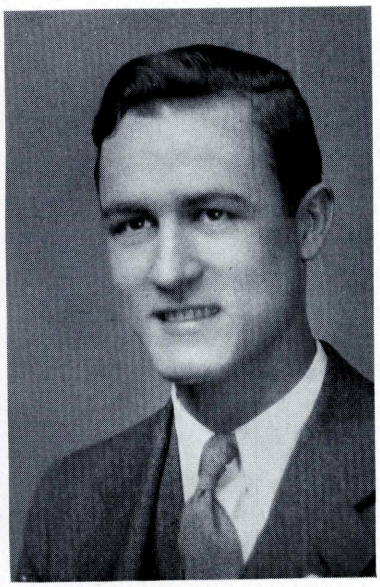
Aberdeen, Wash.

Gold "C" '33.

Arch. Circulation Mgr. of Cable, '33.

"Junior" is one of the most popular men in the class. Also one of the busiest, and a salesman par excellence. Though we wonder how he finds time to do it, he always has his work done on time, and done quite well, too. He has an incurable mania for practical jokes in which thumb tacks play no small part, but his amiable disposition makes it extremely difficult for his victims to take offense. If he sells himself to the rest of the world as he has done to his classmates his future is assured.





ROBERT S. ANTHONY

"Bob"

Chemical Engineering

Football, '30, '31, '32, '33; Track, '30, '31, '32, '33; Chairman Track Field Day, '32.

A real chemist combined judiciously with a fine athlete gives a slight idea of "Bob" Anthony. Tall and powerful, he is an outstanding tackle and brilliant middle distance runner. "Bob" is the first of our group to tread the path of matrimony. May his progeny carry on the Cooper traditions upon the athletic field as actively as he. Slow of speech and anger "Bob" is respected as much for his learned opinions in chemistry as for his size.

AUGUST M. DINKFELD

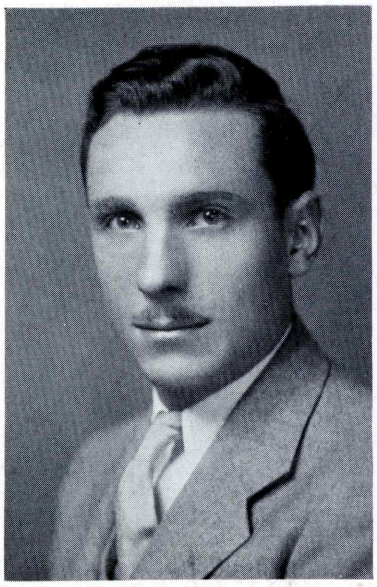
"Dink"

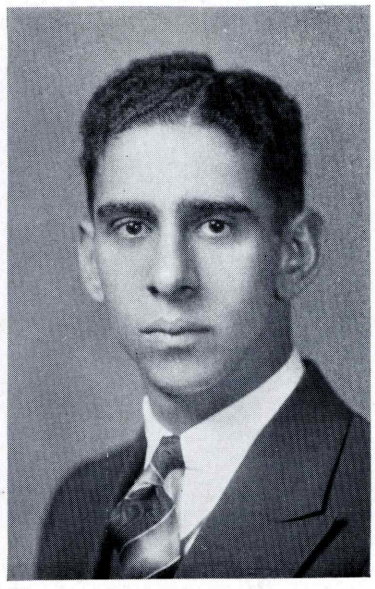
Chemical Engineering

Eastside High School, Paterson, N. J.

Here we have a top-notch student. "Dink" is one of those chaps who need to hear, see or do but once, to master any problem that is offered in our stiff curriculum. He justly deserves the praise which is often bestowed by the laboratory instructors upon the neatness and conciseness of his reports.

His ambition is to delve into the intricate mysteries of bio-chemistry. Who knows, perhaps we have with us in this quiet chap a future Koch, a Magouchi. Here's lots of luck, "Dink," and we hope you take a place in the firmament with these other suns.





JOHN B. DONATO

"Johnny"

Chemical Engineering

Manual Training High School

Handball, '32; Class Comm., '32; Class Sec'y, '33; Junior Prom Comm., '33.

For fixity of purpose and "center-plunge" tactics in conquering all obstacles, it would be difficult to find a man more typical than John Donato. True, he is perhaps a trifle over-energetic in some respects, as regards questions during lecture, inquiries into the nature of each topic that may come up in discussion in the laboratory, interest in attractive women (when not in classes) but aren't we all? A glance at his activities above is sufficient indication of his "live-wire" character. Always alert, always on the go, we feel safe in predicting a buoyant career for "Johnny."

FRANK GANGI

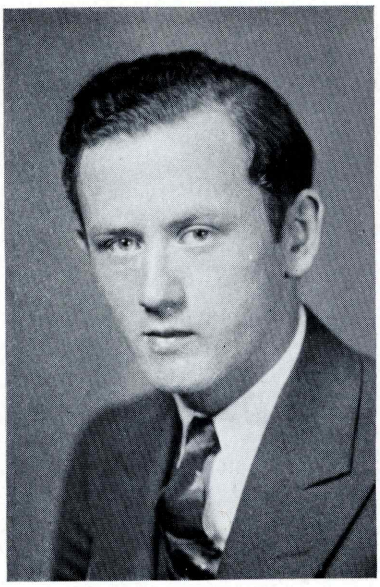
"Frank"

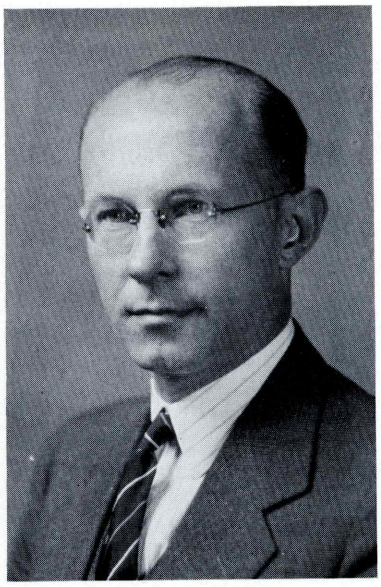
Chemical Engineering

Passaic High School

Offtimes it is difficult to interpret the character of a person, but in studying "Frank" one does not have to ponder long to find some expression which will fit him. He is simply a straightforward fellow who will not beat around the bush. Remember, however, that Frank, in his straightforwardness and in his honesty of expression is always considerate of the other fellow's feelings. One will always find mixed in his conversations and his actions a pleasant sense of humor and a good fellowship toward all.

In short, "Frank" is an honest friend whose dreams, we hope, will ripen into reality.





PHILIP GORDON

"Silence"

Chemical Engineering

De Witt Clinton High School

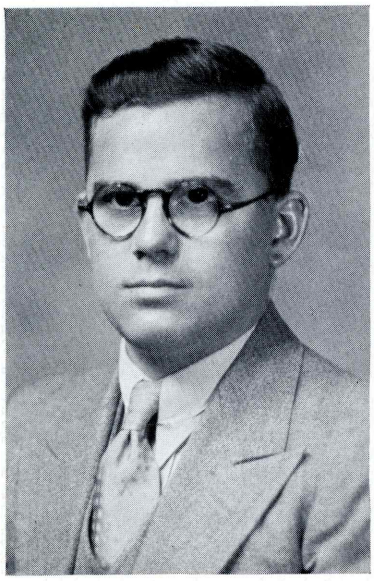
Some students s e e k solitude, spending spare seconds studying. Studiousness spurns social success. "Silence" surely succeeds, sidestepping Saturday socials. Synthesizes sugar, sulphuric acid, sodium sulphate, saccarides, subtly; showing skill, science. Sometimes seems shy, speaking softly. Studies stand superior since September, showing systematic studying succeeds. Success, "Silence!" Show sneerers s u c h system surpasses silly social skirmishes.

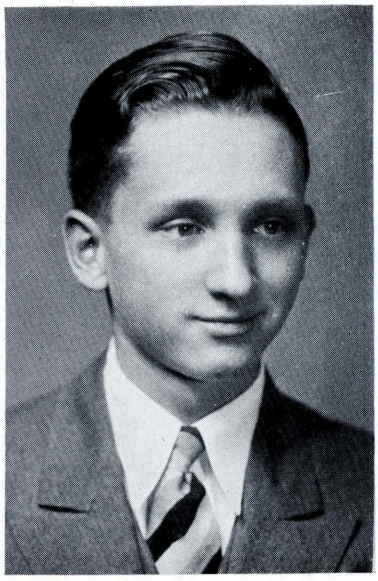
WILLIAM H. HAFFCKE

"Bill"

Chemical Engineering

"Bill" is the scholar of our class. He thrives on hard work and yet he does not show any symptoms of the "grind." He is a good sport and we all take to him. He takes a thoughtful attitude toward extra-curricular activities and can always be depended upon to support a worthy cause. His favorite diversion, even passion, is delving into the lore of the higher mathematics and in his quiet way astounding our learned professors as a result. He is characterized by a quiet composure and when he does speak it is with the words of wisdom.





GEORGE HAGEN

"Voracious"

Chemical Engineering

A man with a sense of humor developed to a remarkable degree. A student who by vigorous study attains recognition as a top-notcher. Excitable and entertaining, this is George Hagen. His size is small but with his appetite and beard he is far from puny or the undeveloped type, and he is always ready to back anything he says, physically. Our class would indeed be a gloomy place were it not for the spirited and exuberant George. We venture to predict a full and happy life. Best of luck, old fellow.

WILLIAM HARATONIK

"Bill" or "Harry"

$\Omega \Delta \Phi$, $\Pi \Sigma$

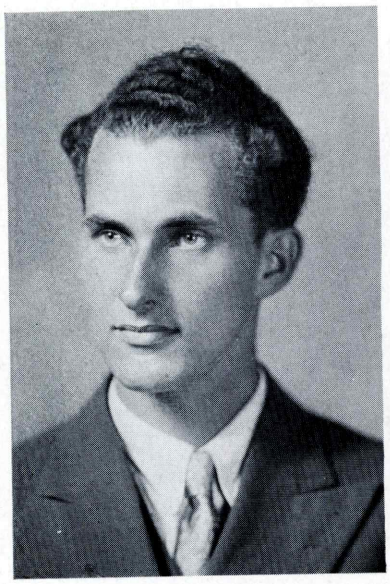
Chemical Engineering

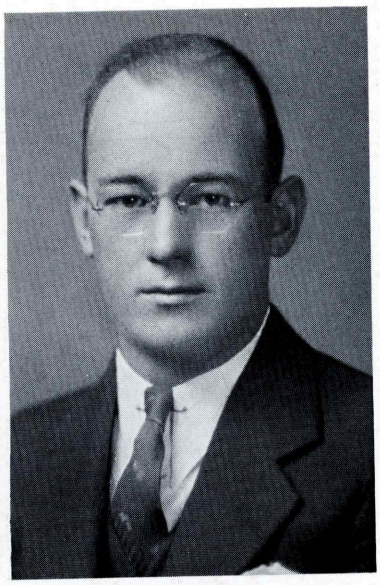
City College of New York

Stuyvesant High School

Pioneer Business Manager, '32; "Cable" Staff, '33.

An ideal technical student and an indefatigable worker in the affairs of the school is "Bill" Haratonik, or "Harry," as some of us know him. The most difficult problem is clear to him, the most abstruse subject he takes in his stride. Jobs that loom too high for others to attempt just naturally yield to his insistent effort. To paraphrase an old maxim. "If you want a thing done well, get 'Harry' to do it," and that's easy, for he doesn't know how to refuse. Doing the work of many, he seeks not praise but results.





EMIL HEINLEIN

"Aim"

Chemical Engineering

Oberrealschule Nuernberg
Hempstead High School

A true representative of Teutonic tenacity, Emil is an industrious, plugging student. German born, and with the German's characteristic for detail, he embodies the earnest studious type. Not active in sports but a sportsman in the higher meaning of the word, Emil is always ready to support the school's student activities, such as "The Pioneer," "A. O.," "Cable," etc. Our wager is that he will never be satisfied as routine analyst but will have the vast urge to delve into and explore the vast field of unexplained Chemistry.

WILLIAM J. MATT, Jr.

"Matty"

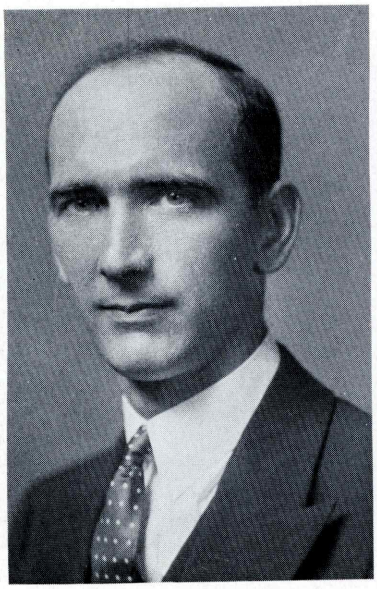
$\Omega \Delta \Phi$

Chemical Engineering

St. Benedict's Prep., Newark, N. J.
A. I. Ch. E.

"Matty" is an individual whose pleasing personality has won for him a host of friends not only among the students of Cooper but also those with whom he has come in contact in his capacity as Sales Engineer.

His presence is always welcome, as we all enjoy his cheerful grin. Those who know him intimately esteem him highly for his unruffled disposition, normally lacking in the majority of us when the going gets tough. He is well equipped for the field he has chosen, as he possesses the prerequisite in temperament and education for a successful Sales Engineer.



HENRY R. MAUTNER

"Henry"

Chemical Engineering

Despite his evident superiority over most of his classmates in the attainment of engineering knowledge, "Henry's" unassuming manners and lack of conceit have gained him the respect and friendship of his fellow students. Possessed of an analytical type of intellect and neat to a rare degree, he can always be depended upon to turn in reports well-nigh perfect in content and appearance. His home has become a forum for some of the class intelligentsia who wish to profit by his keen judgment and logical interpretation of difficult problems. Sincerity is the keynote of his success at Cooper Union.

FRANK MELACCIO

"Frank"

Chemical Engineering

Bushwick High School

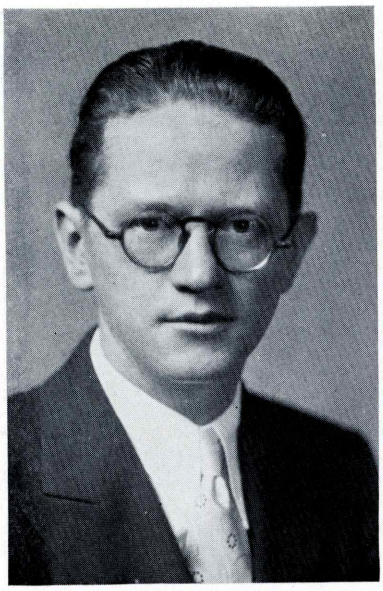
City College of New York

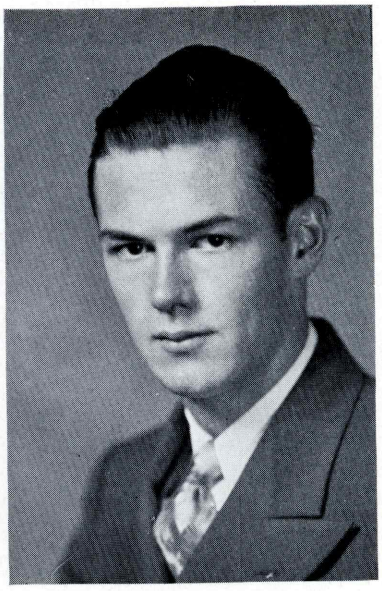
A. I. Ch. E.

"Frank," a native son of the wilds of Ridgewood, set out with his eye firmly on the old sheepskin bearing the insignia Ch.E. To date he has made good in keeping his academic standing up to normal. "Where there is a will there is a way" best characterizes this quality.

In the year '30, during his spare time, Frank would be seen trying to secure subscribers for the "Cable" and the "Pioneer." It was then that he applied his super sales-talk and was victorious.

There are no class functions that this fellow misses or has he been known to be absent from the Cooper Annual affairs.





KARL A. NEWGREEN

"Karl"

ΩΔΦ

Chemical Engineering

Nathan Hale High School
De Witt Clinton High School

"Karl," initially a well-established confidential secretary with one of the nation's largest concerns, shortly after entering Cooper Union decided that his future success lay in the field of chemical endeavor.

In spite of the fact that for the last three years he has traveled more than one hundred miles each night to get to school, he has managed to make a good record in his school work, in his attendance, and, at the same time, by his consideration and helpfulness, has won the friendship of all those who know him. We expect to hear more about him after he completes school and can concentrate on his research work.

RAYMOND F. MORAN

"Ray"

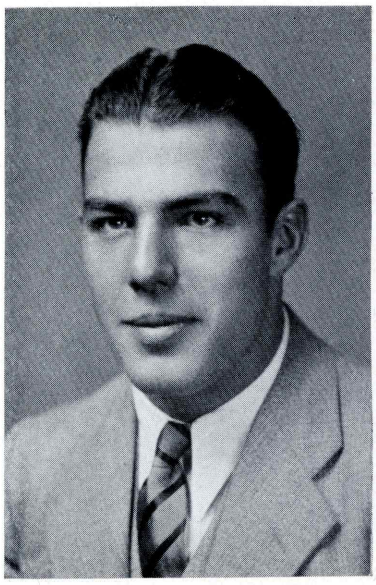
ΩΔΦ

Chemical Engineering

Class Treas., '33; Track, '31, '32; Asst. Managing Editor of "Cable," '33; Junior Prom Comm., '33; Robert Spice Prize, '30.

A scholar of rare judgment, of cool, analytical and logical thought, the finest type of student in our school. A worthy scion of a wonderful institute. No faltering, no hesitating, no false moves, gliding with amazing ease through the tangle of study. Willing to help and to impart to others, "Ray" deserves nothing but the highest praise as a true disciple at the fountain of knowledge.

In view of his ability, we can only add that "Ray" is a real friend, unselfish and kindly in his thoughts and deeds, and whose friendship we hope time will ever strengthen.



ARTHUR O. PLOETZ

"Bob"

Chemical Engineering

Cornell University

Stuyvesant High School

Track Team, '30, '31, '32, '33; Football, '31, '32; Captain '32; Entertainment Comm. Annual Dance, '31, '32; Class Pres., '30, '31, '32, '33; C. U. N. S. C., '30, '31, '32; Treas., '32; G. S. A. C., '33; Gold "C" Comm., '33; Managing Editor of "Cable," '33; Vice-Pres., C. U. N. A. O., '33; Gold "C," '32, Second Award Gold "C," '33.

Athletes see Bob as an all-around star, faculty and student leaders respect him as a zealous worker in the school government, fraternity men hail him as a prince of good fellows, his classmates know him as a good student, his intimates value him as a friend worth having. Such ability, coupled with an all-embracing interest and spurred on by the unbounded confidence that is his, should lead him to a life rich in enjoyment for himself and in service for his fellow men.

WILLIAM J. POLLERT

"Bill"

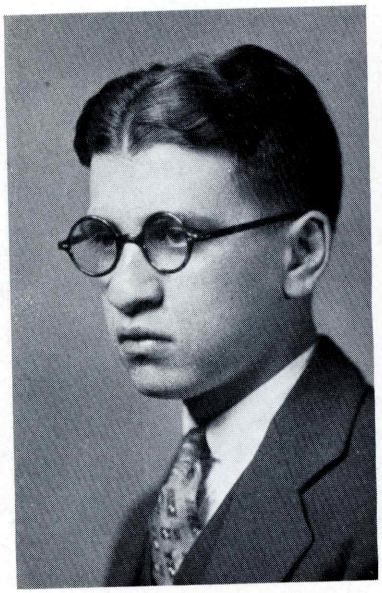
$\Omega \Delta \Phi$

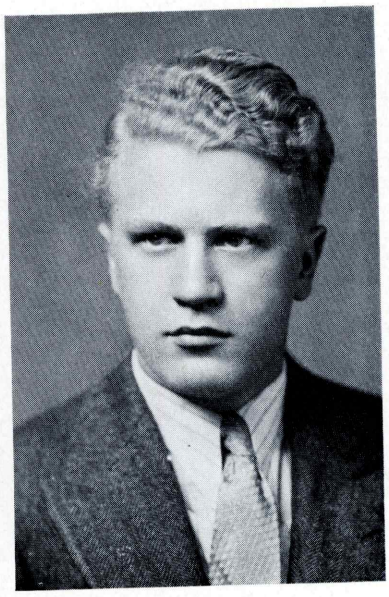
Chemical Engineering

Stuyvesant High School

City College of New York

"Bill" is not, by circumstances, a great general or president, but is well satisfied to join with the rest of us as another student of old Cooper Union. He is a likeable chap, whose sole ambition is to make good in life. Hence, his presence at Cooper. Being the type who mixes well with all sorts of people, he has a pleasant smile or word for every one. One often wonders why "Bill" dashes to and from school, hardly giving the bells a chance to finish ringing. Well it won't be long before he will see plenty of that certain party.





MORRIS SCHEINER

"Murry"

Chemical Engineering

New Utrecht High School

Presenting one of the originals of the Ch.E. Class of '34. Tribute sufficient, considering that only twelve stalwarts in it show "charter membership." The place of Morris Scheiner in this select group is well deserved.

Aside from formal pronouncements, "Murry" is a first-rate student. But, to the contrary notwithstanding, he is also a somewhat lazy son-of-a-gun. The rub is, he can come across beautifully, when he wants to. He's generally liberal and well liked. Also quiet and non-committal, but Holy Moses! he's not one-tenth as serious as he looks. Here's luck and best wishes.

HJALMAR STEEN

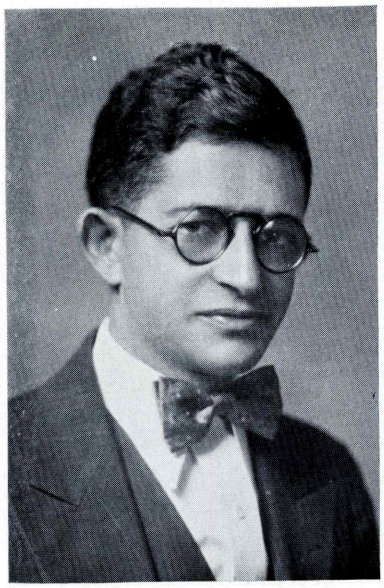
"Yal"

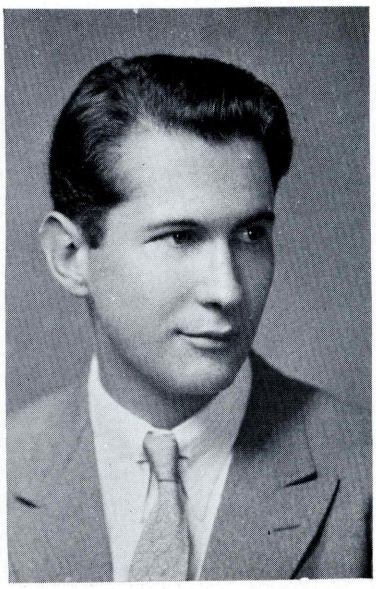
$\Omega \Delta \Phi$

Chemical Engineering

George Washington High School

After completing the first year in day school, "Yal" started to work, so the class had another recruit. He is always planning a date or a camping trip. Many weekends find him with George Ratner, some place upstate, hunting or fishing. "Yal's" greatest joy is going some place in a hurry in his car. His ability to drive is something of which he is justly proud.





MAX ABRAMSON

"Maxie"

Civil Engineering

A. S. C. E.

If ideals and dreams were the foundation stones of success "Maxie" would fare well. Besides possessing other qualifications for success, he is a good student, an energetic worker and a serious thinker. He is widely esteemed amongst his fellow classmates.

His unique visionary ability will no doubt mark his future accomplishments as a Civil Engineer with distinctive characteristics of his personality. To such a future we look forward with undimmed optimism and high hopes.

CHARLES BERGMEISTER

"Bergy"

Civil Engineering

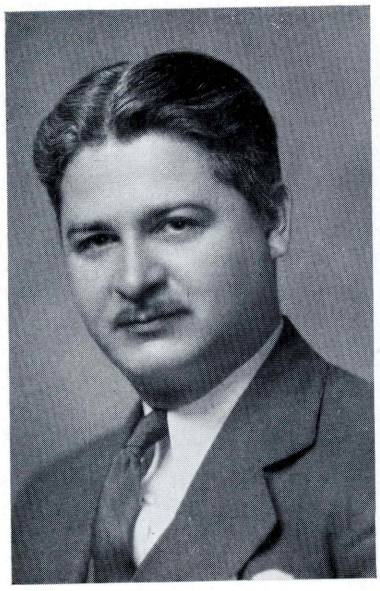
Battin High School

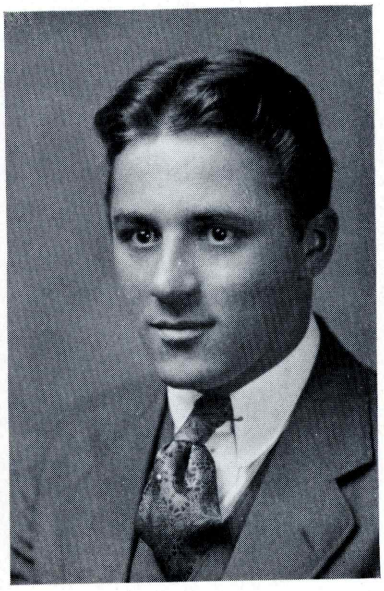
A. S. C. E.

Here is a man who would rather spend his school time by breaking up specimens in the lab than building up theories in the classroom.

He is handicapped by the fact that he hails from Jersey, where he must take diligent care of the cattle and pastures, "by heck!"

If you want to get even with him for anything blame him for detours and rough roads you met while touring through Jersey, because that's his job—highways.





JOSEPH A. CAMPBELL

"Joe"

ΦΣΩ

Civil Engineering

St. Mary's Academy

A. S. C. E.; Class Pres., '28; Pres., Newman Club, '28; Sec'y Student Council, '28; Mgr. Tennis Team, '28; Annual Dance Comm., '28; Gold "C," '28.

To one possessed of such a generous disposition and an altogether pleasing personality, it is inevitable that one so endowed shall make many staunch and valuable friendships. That such is the case is ably attested by all who have had intimate contact with "Joe" both socially and in that extremely broadening atmosphere which is not the least important part of our student life at college, namely, extra-curricular activities. In all such he has applied himself diligently and all who have been associated with him have benefited by that association. We wish and predict for him every success.

R. C. DVORAK

"Rudy"

Civil Engineering

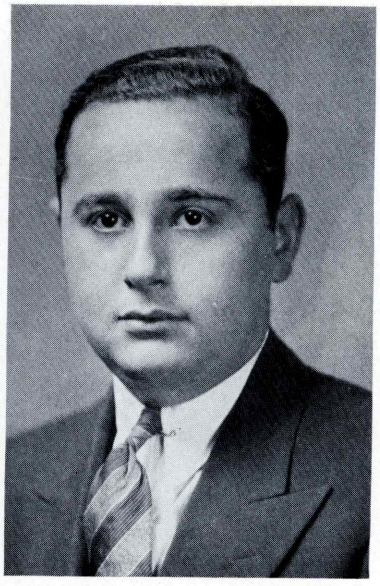
New York Industrial High School

Pratt Institute

A. S. C. E.; Swimming, '32; Basketball, '30, '31, '32, '33.

This quiet level-headed gentleman who accepts present evils with a philosophical shrug of the shoulder, and who refuses to take anything for granted, is quite versatile. Gentleman, engineer and lover, can one expect more? Boys will be boys. His present outdoor sport, like any beau chevalier, consists in paying attention to a fair one many miles away from his home, requiring a trip from Winfield to the wilds of Jersey.

But seriously we feel assured that Rudy will succeed in any of his ventures and here's wishing him luck.



JULIUS FRIEDMAN

"Chick"

Civil Engineering

A. S. C. E.; Basketball, '30, '31, '32, '33, Captain, '32, '33.

The mere mention of "Chick" ought to bear sufficient recognition to make an introduction superfluous.

None of us feel a sting from his peculiar quality of conceit: it is a pleasing egotism.

His popularity in basketball lies as much in his individual attractive quality as in his intrinsic ability to play.

"Chick's" favorite expression, "there ain't no justice," mingled with his characteristic air of nonchalance, well suits his freedom of emotional expression.

To "Chick" there are other things besides engineering. He never loses interest in current topics. He's always interested in what the other fellow has to say.

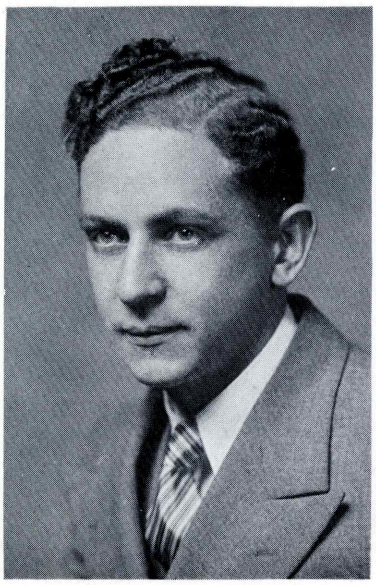
SAMUEL GOLDBERG

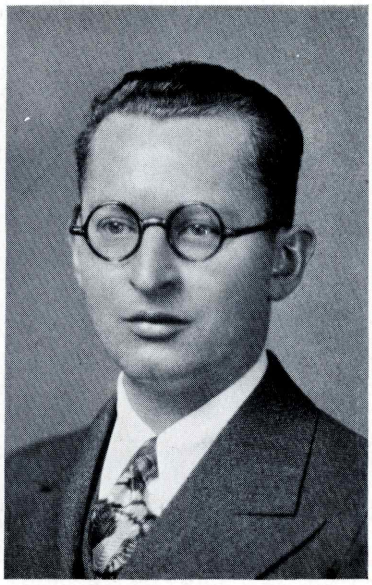
"Sammy"

Civil Engineering

Boys' High School

"Sammy," the embryonic engineer, is one of our greatest believers in fate. After graduating from high school he allowed fate to pick his profession by drawing a paper from a hat which contained all the well-known professions. When he drew out the profession of engineer he picked what he thought was the easiest, that of Civil Engineer. Now, after four years of study, the opinion of students and instructors is that fate was right but "Sammy" was wrong, what he should have been was a Custodian Engineer.





HARRY HALBREICH

"Hal"

Civil Engineering

Boys' High School

City College of New York

A. S. C. E.; Class Treas., '33.

After trying his hand at drafting, accounting and newspaper work, "Hal" found himself (a job) in surveying. He then made haste to realize his childhood ambition, Civil Engineering, and hied to Cooper Union.

After getting a taste of hydraulics, "Hal" is doubtful whether he wants to be Chief Engineer of the Board of Water Supply.

ABRAHAM JORDAN

"Jordy"

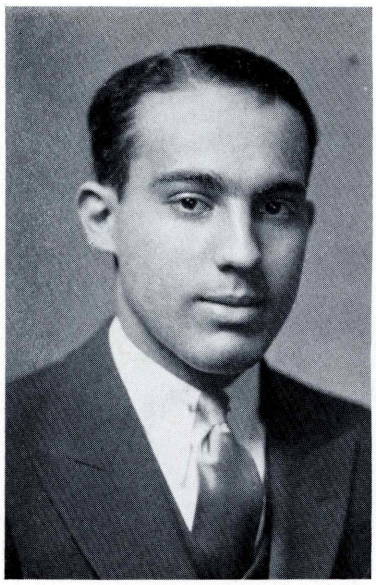
Civil Engineering

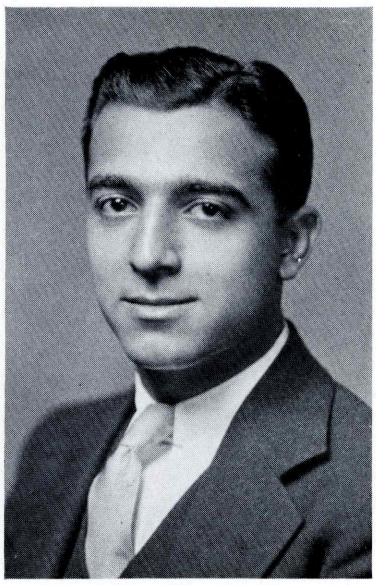
Montclair High School

New Jersey Law School

A. S. C. E.

It was no surprise to anybody when "Jordy" in the second year Physics course won the first prize. It was a surprise, however, when he, after having made one-hundred in each of three calculus examinations, flopped entirely, getting only ninety-nine in the fourth. "Jordy" won a scholarship to Rutgers, but decided later to continue his studies at Cooper while working as a draftsman. He never fails to give a helping hand to a classmate. It exceptional aptitude for Mathematics, a keen and logical mind with which to attack the problems put before him, are qualities of a successful engineer, we predict the greatest success for "Jordy."





VERNON E. KNOX

"Vern"

Civil Engineering

Eton High School

Stuyvesant High School

A. S. C. E.

There are few students who possess as much power of concentration as our friend Vernon. His attention during class appears to an observer as only normal, but, when the passage of a few days has shrouded the intricacies of the lecture in most of our minds, we find that he has attained them lucidly.

Added to this, he is quiet, unassuming, and friendly under all circumstances. These attributes will go a long way in assuring success for him.

MICHAEL J. LA FORTE

"Mike"

ΦΣΩ

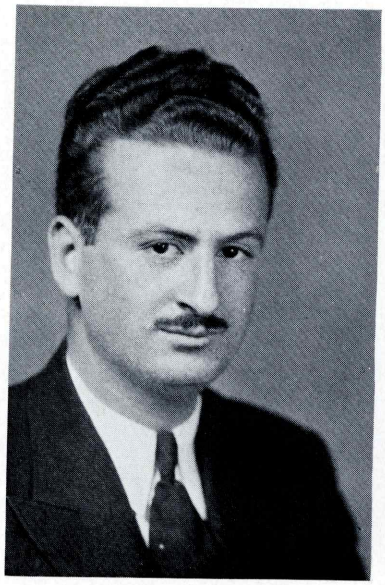
Civil Engineering

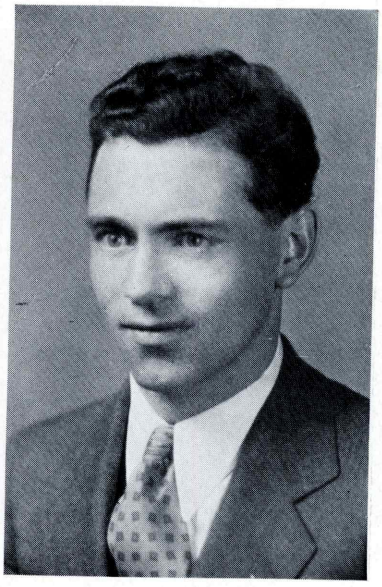
A. S. C. E.: Junior Prom Comm., '33; Class Vice-Pres., '33.

From the far-off land of Brooklyn hails this loyal son of Cooper. However, do not hold this unfortunate trick of fate against him.

Short and sweet, that's Mike. We are sure that some day Little Caesar will be a great Civil Engineer and this old world will look up to him just as he now looks up to it. Who can tell? Maybe some day he'll be master of his own Barber Shop.

Little Caesar always finds time to properly lubricate himself at formal dances, where he once discovered that stress is not proportional to strain beyond the elastic limit (Rye plus Bicardi). Oh, Doctor!





LESLIE L. LOWEY

"Les"

Civil Engineering

Bryant High School
City College of New York
A. S. C. E.

If success means ability you can bet your "steady" that "Les" will hit the top.

He is never heard to ask questions in class, but would rather ponder over them by himself at the expense of his sleep. He has a remarkable memory for details and getting things straight. He argues (or doesn't he?) that everything can be boiled down to a system.

Any one will find him to be a good sport and "on the level." A fellow kind of remembers these things.

For serious criticism, no one can deny that he is trustworthy, sincere and cultured.

JOSEPH O'BRIEN

"Joe"

Civil Engineering

Christian Bros., Lismore, Ireland
Bryant High School
A. S. C. E.; Newman Club.

A grand name and a grand fellow who is known by the entire class for his fine sense of humor, keen perception, and diligence in his study. It is an accomplished fact that "Joe" can attain greater scholastic heights with less study than any student we know. Of course he is no last minute "crammer." At times his interesting conversations have to be pried from him but the efforts are always well worth it. His finest gift is his level head witnessed by his cool mastery of many of the problems that have baffled us in our stay at Cooper. Incidentally, "Joe" voted for McKee in the last election.

MURRAY PATLOVE

"Pat"

Civil Engineering

Boys' High School
City College of New York
A. S. C. E.

"Pat" is one of the few who is always ready with questions whenever an instructor asks for them. The reason for his numerous questions is one of three: it may be due to the interest of the subject (doubtful); it may be due to kill time (quite possible); or to possibly pull a good bluff (that's it). "Pat" has two great ambitions. He wants first to master all the intricacies of Civil Engineering and following closely is the resolve that when better jokes are told he will tell them.

We all join in the sincere wish that he have the best of luck in his struggle for a B.S. and an engineering career.

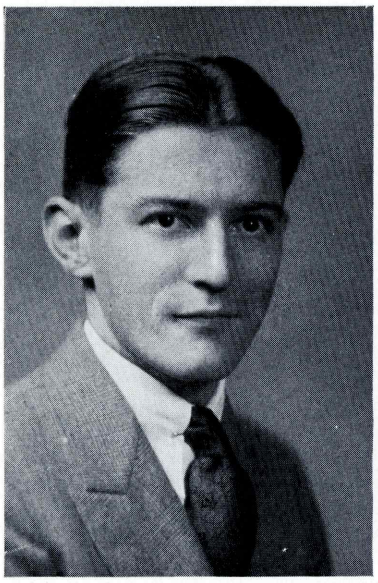
JAMES PHELAN

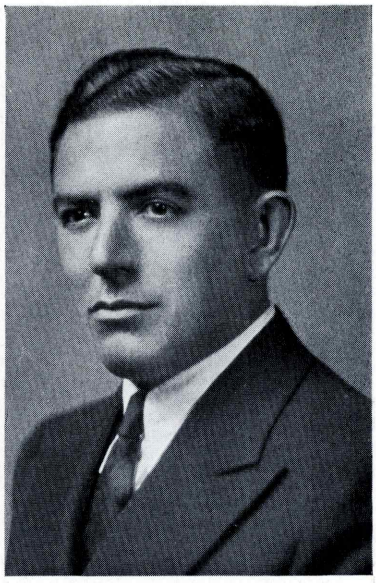
"Jim"

Civil Engineering

Rockwell College, Ireland

"Jim" is a real Irishman from Tipperary County and he has all the good traits of that sturdy race. A fine sense of humor, with a quick smile—even when the joke is on him—makes him a most companionable fellow. His outstanding fault seems to be an underestimation of his ability. He will tell you how glad he would be to get a C—and when marks are posted he rates a B. In other words, "Jim" likes to use a high factor of safety when judging his capabilities, a good qualification for an engineer. Good luck, "Jim."





BEN PLEASANTS

"Ben"

Civil Engineering

Emerson High School

Perseverance is a big word but nevertheless it is an attribute which few possess to a greater extent than our friend "Ben." We have known him now for three years, and unity of purpose seems to be an inherent factor of his make-up. "Ben" is a good mixer, too. He is able to take your "Pioneer" subscriptions and still keep your spirit of friendliness towards him, and that is something in these times.

We do not profess to be fortune tellers, still we predict positive success for him.

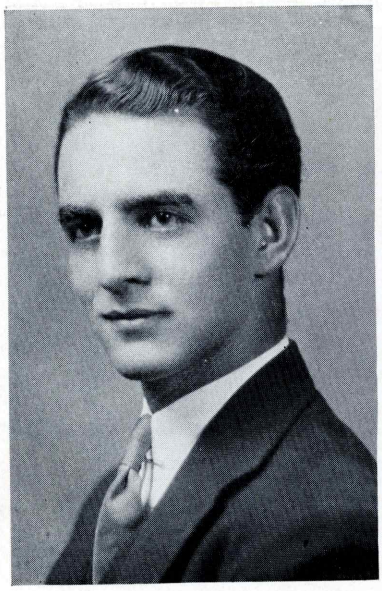
NATHAN RAMER

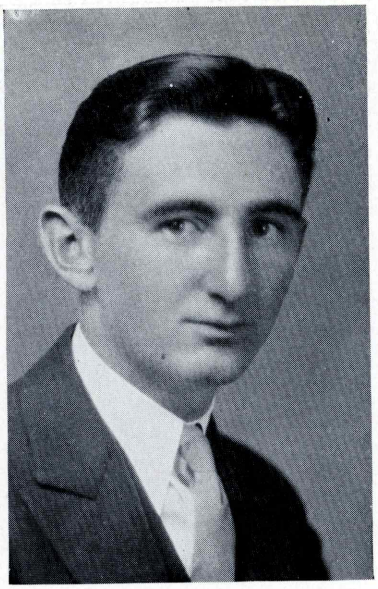
"Nat"

Civil Engineering

A. S. C. E.

"Nat" is the only student of our class whose name is already reserved for posterity—the Cooper Union Honor Roll. He left classes in 1918 (perhaps before an electrical measurements exam) to prepare for a commissioned office in the army. The fact that the ensuing years were bitter ones for our hero, who had aspirations of prefixing General to his surname, may be explained by the early cessation of activities over there. However, this was a happy event for our class, since a General returns to his Alma Mater only to make long speeches with numerous I's.





MICHAEL A. RAMPINO

"Mike"

Civil Engineering

A. S. C. E.

Regard what you now read with deep suspicion.
Michael Rampino, a man of great erudition,
A student at Cooper, beloved by all.
Who passed all exams, both big and small,
Who did all his home work at home every night,
Who was famous for his friendship with this man at his right.
A man with a scholarly sense of humor,
Who was never disturbed by a surprise exam rumor,
This is the man the whole class agreed,
The man of us all who is sure to succeed.
Reader, forget this raillery pelf,
The above was written by Rampino, himself.

GERARD A. ROHLICH

"Jerry"

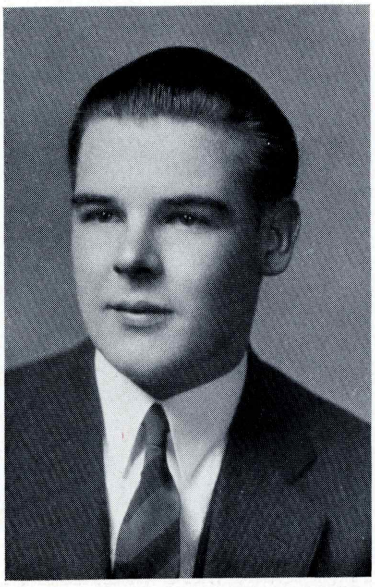
$\Phi \Sigma \Omega$

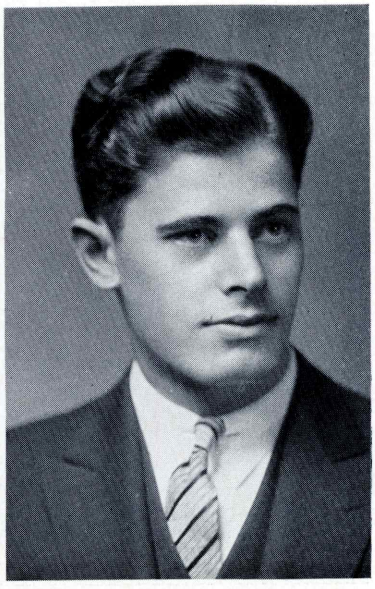
Civil Engineering

Bushwick High School

A. S. C. E.; Junior Prom Comm., '33
Vice-Chairman.

"Jerry" seems to enjoy his stay at Cooper although he does not lose track of his goal. His popularity is merited by his willingness to help his classmates and his fine fellowship. Men like "Jerry" make the arduous course at Cooper a more pleasant task. He is well known for his school spirit. He takes an interest in all school affairs and gives them the kind of support all representative bodies crave, but do not always get. "Jerry" has the distinction of being the first to subscribe for the 1933 "Cable."





WALTER ROWLAND

"Walt"

Civil Engineering

Textile High School

$\Omega \Delta \Phi$

A. S. C. E.; Class Sec'y, '33; Math Club; Advertising Mgr. of Cable, '33. Ex-Post Facto, '33, Gold "C" '33.

"Hence, loathed melancholy." "Walt" is among us, a rather good voice breaking out in a rash. A hearty handshake a slap on the back and we are assured of his good nature.

As advertising manager of the "Cable" "Walt" has worked hard, sacrificing much of his time to see prospects.

A successful student, a good worker, sincere, courageous, loyal, plus some gentlemanly reserve, a generous portion of worldly good-fellowship, the proper amount of contemplative seriousness, together with the fact that he is ever willing to lend a helping hand have made "Walt" a popular man in the class.

RALPH SANDOR

"Sandow"

Civil Engineering

Passaic High School

$\Phi \Sigma \Omega$

A. S. C. E.; Track, '30, '31, Capt., '33.

Looking back over four years of strenuous study, it is quite evident that the class of '34 has profited by Ralph's presence. He possesses to a high degree that sterling quality, good-fellowship, no matter how trying the situation might be.

Aside from his scholastic accomplishments and participation in many social functions he has attained unusual recognition for his athletic activities during 1932, which merit his position as captain of the 1933 Track Team.

His classmates, to a man, wish him the best of luck and sincerely hope that his years spent at Cooper will not be in vain.

WALTER SIMONS

"Jean"

ΦΣΩ

Civil Engineering

Dickinson High School

"Jean", or Walter as he is sometimes called, once aspired to the throne of Barrymore. However, after years of traveling in crowded tube trains he became convinced that he should devote his life to the salvation of his fellow sardines. The solution of the traffic difficulties, he believes, is a bridge across the Hudson for every man, woman, and child. With this as his incentive we find him now an embryo Civil Engineer. Civil Engineers they say are dreamers, and that mighty skyscrapers, d a m s , and bridges are conceived and planned in dreams. If this be true then surely will Walter be a successful engineer.

ELIAS SPANIER

"Greeka"

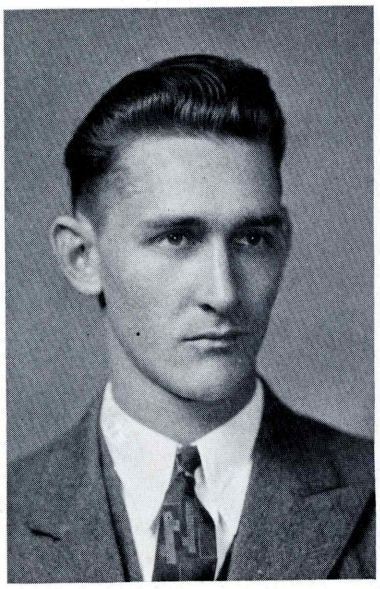
Civil Engineering

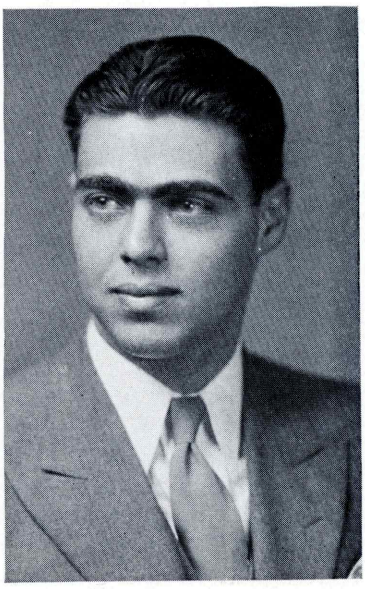
Boys' High School

A. S. C. E.

"Greeka," also known as "Eli" to his friends, is rarely seen without that broad, good-natured smile of his, which has made him so popular with his classmates. Cheerful by nature, we often wonder if this exuberance of good spirits is not caught from a certain young lady, whose company he seeks as often as his studies.

Yet, despite these feminine distractions, "Greeka" possesses a grim determination, which enables him to attain the ends to which he aspires. His diligence and ability are bearing the fruits of his labors, and will culminate, no doubt, in a well-merited success in his chosen field.





JAMES STUBLER

"Jim"

Civil Engineering

A. S. C. E.

What a world of a difference between the caretree existence of a sailor and the stable occupation of a Civil Engineer, but "Jim" has conquered. "Jim" used to be a sailor and in that capacity saw quite a deal of this world of ours and is all the better for his experience.

It is likely the wanderlust will possess "Jim" as soon as he graduates and we won't be surprised to hear of him working in some foreign country and making a success of it.

If the wishes of his classmates are realized there is no doubt but that there is a brilliant future in store for him.

ARTHUR A. WECHSLER

"Artie"

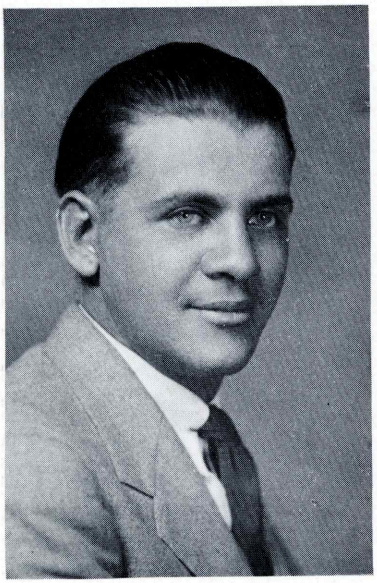
Civil Engineering

Boys' High School

City College of New York

Treas., A. S. C. E.

"Artie" says that the best way to obtain success in life is to work twenty-four hours a day, tirelessly and conscientiously. So he chose the next best way. He enjoys winter sports, dancing, smoking, spaghetti, and Hydraulics. He also believes everything they tell him at Cooper, except that an ounce of prevention is worth ten dollars a quart. Not these days, anyway.



STANISLAUS J. ZAWADOWICZ

"Stan"

$\Omega \Delta \Phi$

Civil Engineering

Dickinson High School

Spencer Business College

A. S. C. E.; Class Vice-Pres., '32; Chairman, Class Dinner, '32; Class Pres., '33; Business Mgr., "Cable," '33; Ex-Post Facto, '33; Gold "C," '33.

The number of tasks successfully completed by "Stan," during his college career thus far, entitled him to the position of Business Manager of this "Cable." In view of the success he has had in his previous activities this latest endeavor of his will reach and probably surpass in excellence anything he has heretofore attempted. These extra-curricular activities have not in any way marred his standing as one of the foremost students of the C.E. Class of '34. With a continued display of this same ability as a leader and scholar "Stan" can't help but succeed in his chosen field.

LESLIE L. BLAM

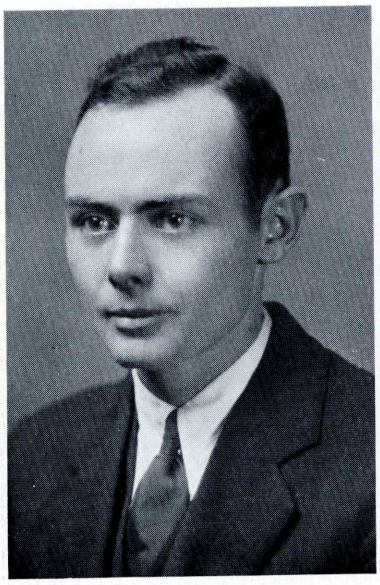
"Lee"

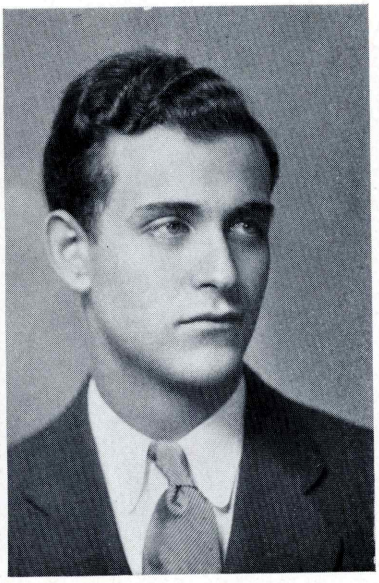
Electrical Engineering

Townsend Harris Hall

Swimming Team, '30, '31, '32.

The intricacies of the electrical phenomena so overwhelmed the imagination of this son of the earth that we find the poor plebeian, after four years of hard labor, attempting to master the fundamentals of the great science. He hopes after years of study to become one integral part of the great telephone system, and so with perseverance and integrity in his studies, in a few years he may be trusted to wire up a door-bell.





JOHN V. CAHILL

"Jay Vee"

ΦΣΩ

Electrical Engineering

Class Vice-Pres., '31.

We know "Jay Vee" is a member of our class because most of us can still hear the twang of a rubber band passing in the immediate vicinity of one of our ears. His outstanding ambitions are to be able to show the instructor where he is wrong and to publish a good E.M. text book for the students of Cooper Union.

"Jay Vee" is a real chum, one upon whom we can always depend. We feel sure that his pleasant personality and immunity to irritability will win for him great laurels in the Engineering field.

MILTON CHRISMAN

"Chris"

ΑΜΣ

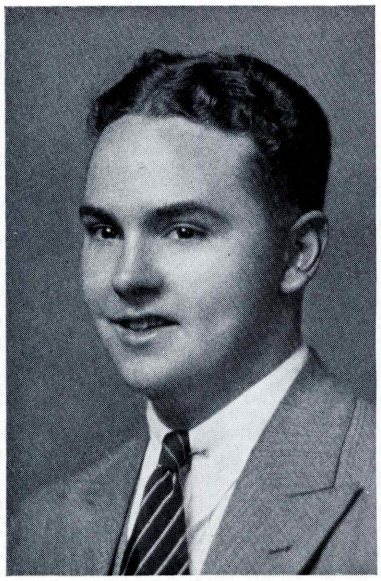
Electrical Engineering

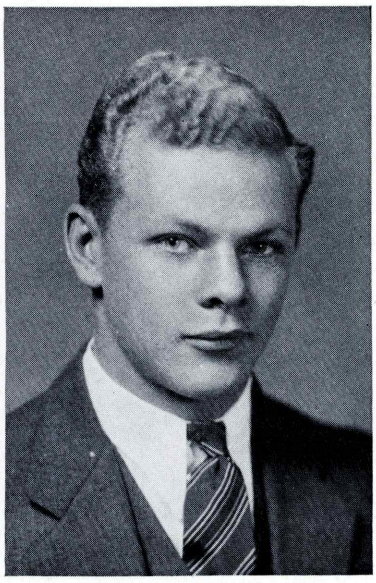
East Side High School

Four years ago "Chris" decided to take advantage of Peter Cooper's benevolence. Today "Chris" is taking advantage of his fellow students' benevolence in the matters of lectures, notes, and homework.

Tall, dark, and handsome, "Chris," in his opinion, is the sheik of the class. He will also argue that he is a wolf of no mean ability. However, in the opinion of the rest of the class he is merely a lamb in wolf's clothing.

Nevertheless "Chris" is one of the best-liked fellows in the class, up in his studies, and in the thick of every class function. He has a fine sense of humor, is a good student, and is a regular guy.





ARTHUR G. COFFIN

"Artie"

ΩΔΦ

Electrical Engineering

Erasmus Hall High School

Class Vice-Pres., '33.

"Artie" has a quiet way of doing things that attracts little attention but produces great results. Ever ready to help, both in class and out, has won him many fast friends among his class mates and we feel sure he will continue to do so throughout his career.

Behind that serious countenance is a grand sense of humor that stands him in stead at Cooper. The best of luck, "Artie." We'll hate to see you go.

JAMES CONSTABLE

"Jim"

ΣΑΠ

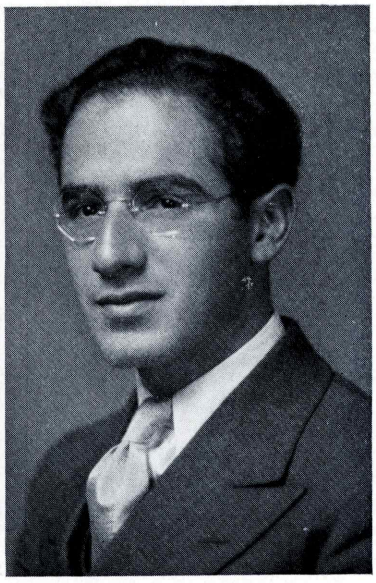
Electrical Engineering

Richmond Hill High School

Class Treas., '30; Publicity Mgr., "Cable," '33; Ex Post Facto.

Perhaps you have seen smiles in your life, but none could possibly be so perpetual as "Jim's." His every effort is brightened by a beaming radiant smile, which sort of harmonizes with his extremely curly locks.

But "Jim" is a big man, both literally and figuratively speaking, and like all big men he is not adverse to plenty of work. That is, so long as it is not writing reports. His one ambition is to write a report on one sheet, and he finds contentment in an easy chair, a radio, a closed text-book and a well caked pipe.



EDWARD R. DAUBENSCHMIDT

"Ed"

Electrical Engineering

Morris Evening High School

One is at a loss when it comes to our conservative, reticent six-footer who appears to be above the rank and file. Not satisfied with his present pursuit as an able draftsman, he follows the science for a degree. Like Benjamin Franklin, he isolates himself at noon hour, book in one hand, sandwich in the other, but unlike B.F., he consoles himself with his pipe. We are all breathlessly awaiting to see the results of so much perseverance in the quest of knowledge.

LEWIS DUBLIN

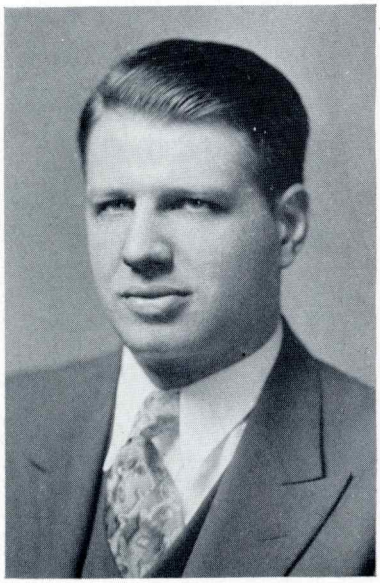
"Lew"

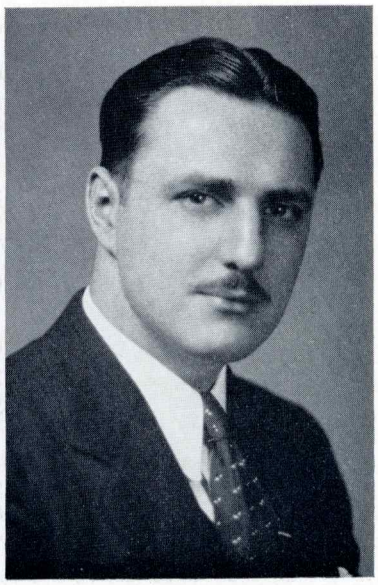
ΠΣ

Electrical Engineering

Brooklyn Technical High School

"Lew" entered the Institute of Technology in '28 expecting to obtain a thorough technical education. In four years, a mite has been added to his knowledge of electricity and he has learned a great deal about Cooper Union and even more about himself. And this, since it has not destroyed all traces of idealism, may, strangely enough, be of more worth than an engineer's training. Already we perceive a growing air of self-confidence. Some time in the future we can see "Lew" approach Satan himself and ask for the hottest spot in town and the Devil will reply, "It's yours for tonight, you've earned it."





HARRY DUKE

"Harry"

Electrical Engineering

Evon High School

"Harry" is one of those chaps who stands out as well as above the heads of his classmates. The latter being due to his great height. However, this is not the only way he stands out, for when it comes to school work he can always hold his own.

If there is any question in your mind as to his knowledge of radio and its technicalities, just ask him for the latest data on the newest type of radio tube.

His many friends are unanimous in predicting that some day he will be a great engineer and wish him luck.

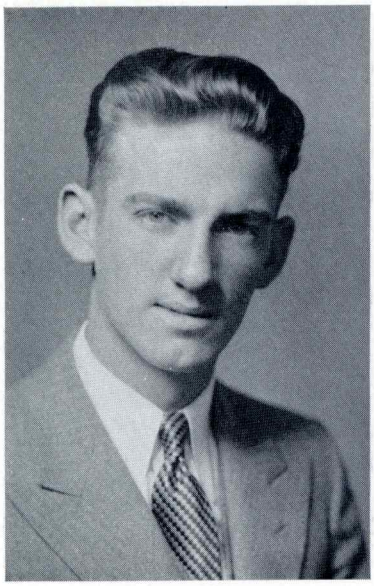
MARCEL G. GOAZEMPIS

"Marse"

ΦΣΩ

Electrical Engineering

Vive la France. "Marse," one of her sons, carries on—carries on the long siege against the fortress of knowledge, Cooper Union, the prize of victory being graduation and every night free. Meanwhile, like any soldier, he finds time for a few diversions. Is unlucky at times at cards but quite successful in that other pastime. Smoking means a pipe for him—he has quite a collection. Plays a fiddle. Likes schnapps, summer resorts, fishing, Canada, certain parts of Greenwich Village and Brooklyn, his Ford and his comfort—studies in his socks. Keep up the fight "Marse" we're all with you.



KERMIT J. KALNA

"Kerm"

ΣΑΠ

Electrical Engineering

West New York High School

Every man has his own particular weakness and "Kerm's" seems to be that of wearing light hats. However, all great men have their own reasons for doing things, obscure though they may be, and "Kerm's" may be that color facilitates the finding thereof.

"Kerm's" favorite pastime while in school is showing his friends how easy the physics, mechanics, or heat and thermal problems are. Under his magic touch every problem assumes simple proportions, much to the consternation of his friends.

At home, "Kerm's" favorite pastime is playing ping-pong and some day he hopes to be able to take over all opposition.

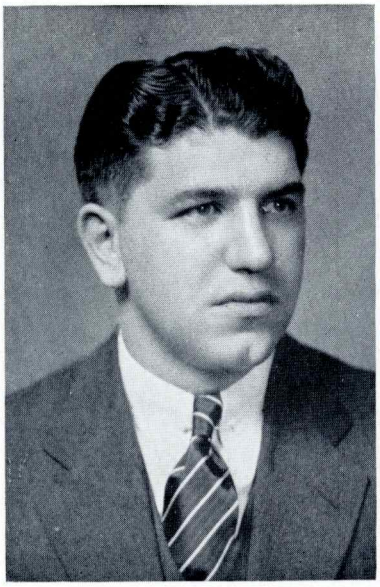
MILTON KLEIN

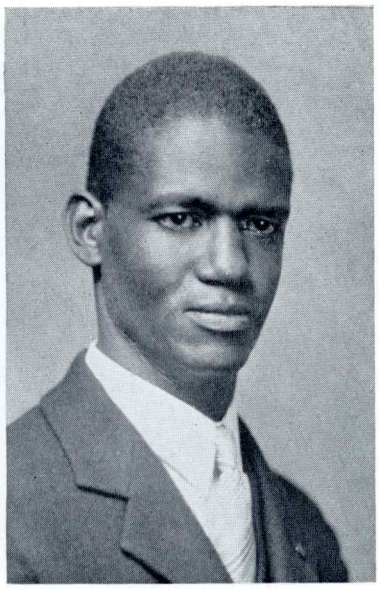
"Milt"

Electrical Engineering

Yonkers High School

Here's a fellow who has had his ups and downs and still lives to tell about it. (He once worked on an elevator.) Milton or "Milt," as some of his friends call him, is a studious sort of chap and can always be depended upon to have his work correct and on hand when it is due. His quiet and unassuming nature has won for him many friends and they feel that he is sure to succeed in his chosen work.





HERMAN H. KRAUSE

"Max"

Electrical Engineering

Dickinson High School

A studious fellow, with an insatiable propensity toward hard work—that's "Max." He tackles his studies with an indefatigable attitude and invariably gets results. His lucid explanations of difficult problems make him a constant source of information for his classmates.

A glance into the future convinces us that success in a large measure is in store for him, for such hard work can not go long unrewarded.

REDVERS J. LAMPKIN

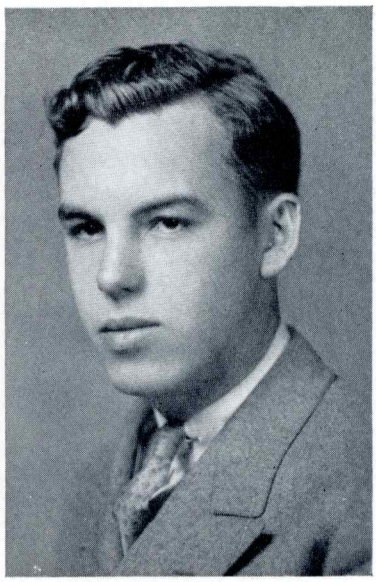
"Bertie"

Electrical Engineering

Collegiate School, British Guiana
Harlem Evening High School

It seems to us that "Bertie's" main ambition in life is to become an inventor. This is shown by his willingness to read and talk about things that are of a scientific nature. His chief hobby is the building up, repairing and the tearing down of anything that works.

Possessed with a serious nature, he makes a good man for a laboratory squad. He is well liked by his classmates and we all wish him the best of luck.



S. A. LATZONI

"Slats"

Electrical Engineering

Garfield High School

"Slats" is a nice dignified practical young man from Garfield, New Jersey. While studying "heat" he learned about condensation and, judging by the size of his notebook, we think he applied theory to practice. A Prof.'s dream of Paradise would be a class made up of fellows like "Slats" if they would study; for he is the original study by proxy man.

"Slats" has some good points also. His pleasant personality has won him many friends. Whenever you meet him, his smile is sure to greet you.

IRVING MATTHYSSE

"Irv"

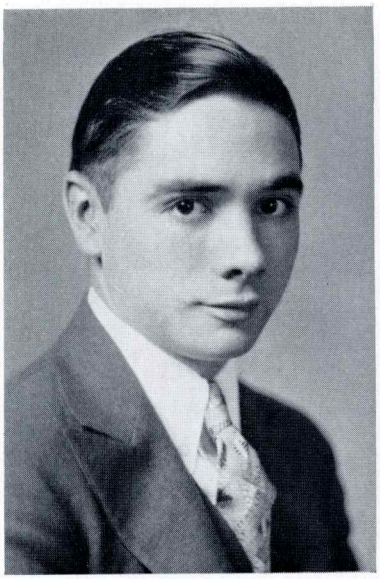
Electrical Engineering

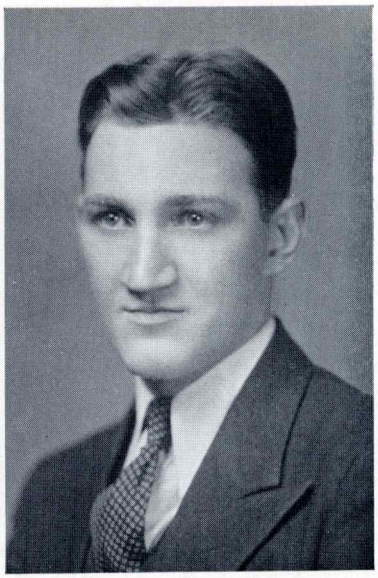
Hebrew Technical Institute

Irving is probably the most brilliant student in the entire class. One who does not accept any statement without first completely analyzing every phase of the subject, he has acquired a complete understanding of every subject he has studied. Irv's hobbies are electrodynamics and radio, and he could, with great success, lecture to a class in these subjects.

Quiet and unassuming, he has acquired the friendship and respect of everyone with whom he has come in contact.

With the traits and qualifications he has so completely demonstrated at Cooper, we can see him as a fine character, a faithful friend, and a very successful scientist and engineer.





LEO T. McGUIRE

"Leo"

$\Omega \Delta \Phi$

Electrical Engineering

St. Saviour's School

Regis Prep

Class Secretary, '29, '31

Who represents the fine type of Cooper student? If that question was asked of a student or professor, they would point with pride to Leo McGuire. He is a clean-cut young man of ready wit and always in excellent humor. His friendly manner and jolly nature make him a very interesting personality.

Leo is employed at the N. Y. Public Library, which, no doubt, accounts for the store of knowledge that is his. When not at the library or school, Leo's leisure moments are spent on the highways leading out of Bay Ridge. With whom? That is difficult to answer.

JAMES J. McMANAMY

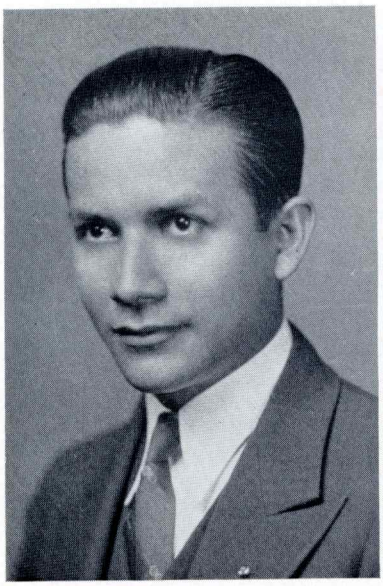
"Mac"

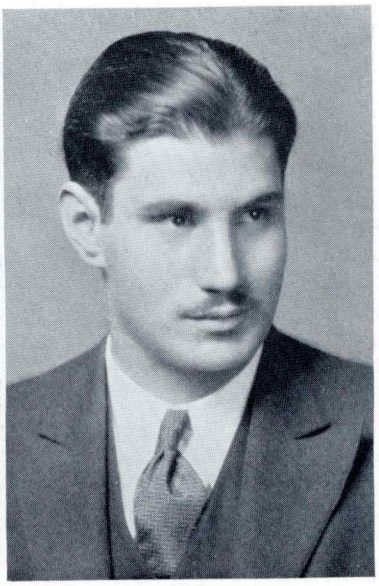
$\Phi \Sigma \Omega$

Electrical Engineering

St. Francis Xavier High School

Graduation, his degree and the realization of his belief that the long, long trail through Cooper is worth while is the port for which "Mac" has set sail. The voyage thus far has been, and still is, a stormy one, but he is still clinging fast to the wheel, determined to hold his course. He is a mariner who believes in keeping constant check on the barometer and though he is sometimes criticized for it believes it is wisest to prepare for the worst while hoping for the best. So let's leave him with a wish for smooth seas, favorable winds and a successful voyage.





SOLOMON MESEL

"Sol"

Electrical Engineering

Collegio Americano Baptista, Pernambuco, Brazil

" 'Sol' can repair it." Any time you have trouble with your radio set, just see "Sol," and he will talk to you about it all the way home or wherever you are going. When you get there you still wonder what is wrong with your set.

In regards to his study and application, "Sol" holds a fine record in class.

He hails from Jersey City, where his social life is occupied with dancing, bridge playing and last, but not least, winning the heart of fair "womin." "Sol" is a pleasant companion, as every member of the class will agree.

JACK ROBERT MILLER

"Jack"

Electrical Engineering

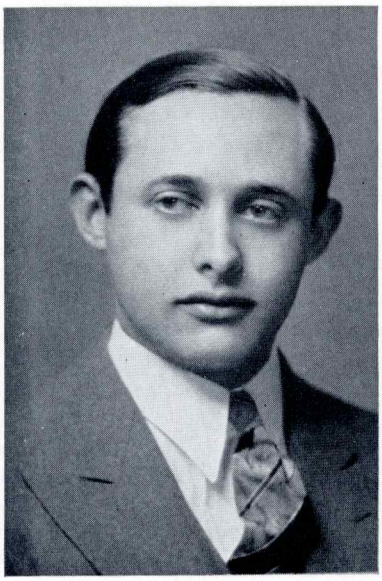
City College of New York

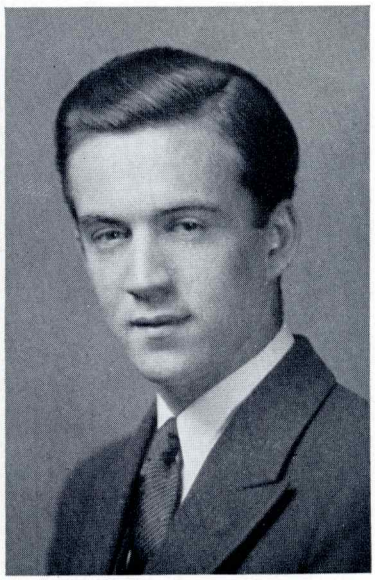
Townsend Harris Hall

Editor-in-Chief of "Cable" '33; Class Pres., '31; Sec'y '30; Chairman, Class Dinner Comm., '30, '31; Gold "C," '33; Ex-Post Facto, '34; C.U.N.E.C., '31.

An exponent of the best at Cooper Union. One whose executive ability has guided three of the class's most important functions to success; whose brilliance as a student is in no way impaired by his many extra-curricular activities; whose fine character and versatility have won for him the respect and friendship of his schoolmates and instructors.

Jack must have been born with a slide-rule in his mouth and a book of integral tables in his hand. His ambition is to teach mathematics so that students pass less exams and know more math. We can, with reason, predict for him a brilliant future.





LOUIS MOND

"Louie"

Electrical Engineering

Zakrzewski High School, Warsaw, Poland.

Hats off to Mr. Mond. Here is a man who had been in the United States but six months when he took the Cooper Union entrance examinations. Handicapped by a very limited knowledge of the English language, "Louie" nevertheless came through with flying colors, and was admitted.

Since then he has shown a remarkable aptitude as a student and when final marks are posted, the name of Mond has always been found among the leaders. Besides this, he is one of the quiet, unassuming members of the class, a hard worker, and a swell radio technician. Here indeed is proof of the saying, "To him that works with heart and mind, success is sure to come."

ALBERT NIVER

Α Μ Σ

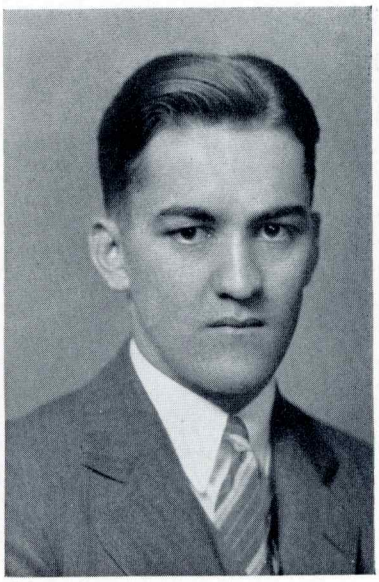
"Al"

Electrical Engineering

Evander Childs High School

"Al" is one of those wholesome boyish lads that live in our wicked city and remain pure and unsullied. He is self-conscious, serious and kissable. Outside of engineering he attends an occasional movie, takes a walk once in a great while, practically lives at a certain place on St. Marks Place and remains a sweet, lovable boy.

He is one of those unassuming modest chaps who is always trying and always succeeds in helping the fellow who needs help; and all joshing aside, "Al" is one of the finest fellows and truest friends anyone would care to have. Here's wishing him all the luck he so justly deserves.



GEORGE W. O'BRIEN

"Obie"

ΦΣΩ

Electrical Engineering

Jamaica High School

Class Pres., '32; C.U.N.A.O., Treas., '32; Track Team, Capt., '31, '32; Chairman, Field Day Comm., '33.

"Obie" is one of Cooper's outstanding athletes, whose chief aim is to become an electrical engineer. His other ambitions are to compete in the Olympics and to shoot a deer.

George has a great capacity for work as shown by his extra curricular activities and his completion of the courses to the present date.

Every mile run that has been run in the dual meets of the track team in the last four years were won by George. He's away ahead of most of us.

WILBERT F. RATH

"Wilbert"

ΦΣΩ

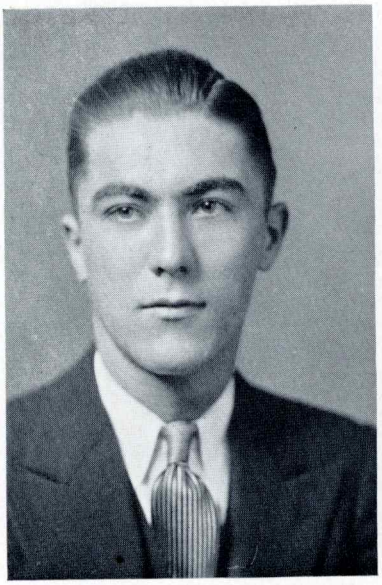
Electrical Engineering

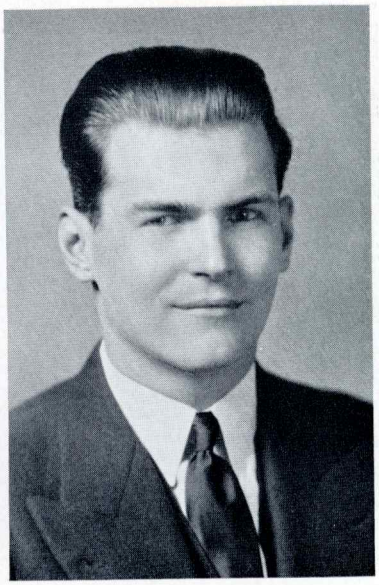
Newton High School

Track Team, '29, '30, '31, '32; Class Treas., '33.

By nature, Wilbert's thoughts take a serious trend and have often caused him to be the recipient of a popular form of cheering from more flippant members of the class. The reverie once broken, however, is usually returned in kind.

In scholastic pursuits he has exhibited two sterling qualities that will be great assets throughout his career. The dogged tenacity with which he attacks seemingly unsurmountable obstacles, and his wholehearted desire to reap rewards only as the fruits of his own earnest labors, mark him as one whose association will be sought and cherished by the finer type of individual in any professional field.





RENE REIMANN

"Rene"

ΦΣΩ

Electrical Engineering

Bay Ridge Evening High School

Copy Editor of "Cable," '33; Junior Prom Com., '33; Track, '30, '31, '32; Ass't. Mgr. Track, '32.
Gold "C" '33.
Ex-Post Facto.

Rene or "Frenchy," as you prefer, is the type of man who incorporates his spurious and genuine ideals into real ambitions. He is a good worker and a genial fellow, always willing to furnish good cheer with a grin. His athletic ventures in track are like a spring tonic to the team. In class he's a pest, always after money. His favorite pastime is staying out late and, with the help of his red-headed girl friend, he sure is some night owl.

His entire philosophy may be summarized by his favorite phrase, "If you do anything, do it in a big way." Swastika.

GILBERT E. RIBREAU

"Ribs"

ΦΣΩ

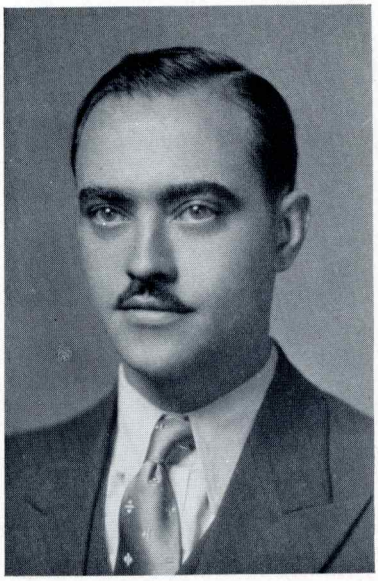
Electrical Engineering

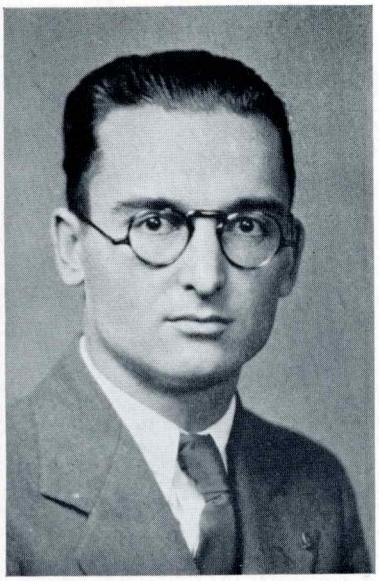
Morris High School

Class Treas., '32; Pres., '33.

Our class president, "Ribs" is a modest fellow with a most pleasing personality. We're sure he has no enemies, for his efforts to avoid insult or injury are unparalleled in the history of Cooper Union. He is the type of fellow who will apologize if he hasn't a pencil to loan you.

A cheerful future is certainly in store for this debonair Frenchman. How could it be otherwise, for he does no one any wrong.





KURT SCHLANG

"Kurt"

Electrical Engineering

Oberrealschule Konstanz, Germany

Kurt, being inquisitive by nature, probably went to that school to see if he could ever learn to pronounce the name correctly. Having mastered it in nine years, he decided nothing could stop him, so he returned to the States and entered Cooper Union. His guess was wrong, for all women like a handsome he-man, especially when they have a bushy upper lip, and Kurt is having a hard time keeping them away so he can attend to his studies. The more the merrier, Kurt, and if you can spare a blonde sometime, . . .

WM. H. A. SMYTHE

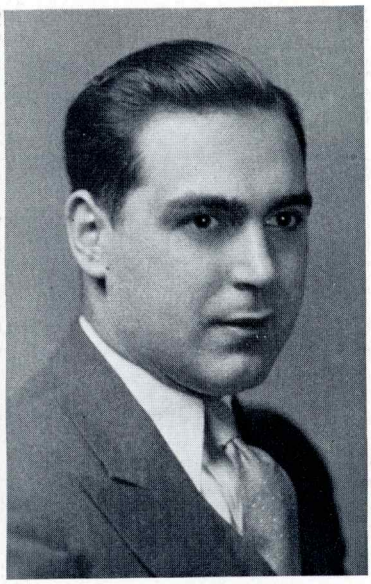
"Bill"

ΦΣΩ

Electrical Engineering

Fergus County High School, Montana
Drake University, Iowa
Lewis Institute, Illinois

Born in Washington, D. C., and after residing in several states of the North, East and South, "Bill" found himself in Lewistown, Montana, in time to graduate from high school. Next he traveled to Drake University, where he completed two years of Liberal Arts. Later secured a position with the Western Electric Company and then married a former schoolmate in 1922. Was a member of the Illinois National Guard for three years. He entered Cooper after being transferred to New York by the Western Electric Company. His chief hobbies are bridge and golf, spending his spare time rough-housing with his three children.



JOHN STARK

"Johnny"

ΦΣΩ

Electrical Engineering

Jamaica High School

"Johnny's" write-up was nearly forgotten but at the last minute the omission was found. That is the spirit that seems to characterize him. That is, he is very quiet, so quiet in fact that one hardly knows he's among us. However, whenever something happens, lo and behold! John's there to lend a hand.

"Johnny," indeed, is one of the most hardworking men in the class. Such application and concentration must be crowned with the success we know will be his.

JOHN J. TESORIERO

"Johnny"

ΦΣΩ

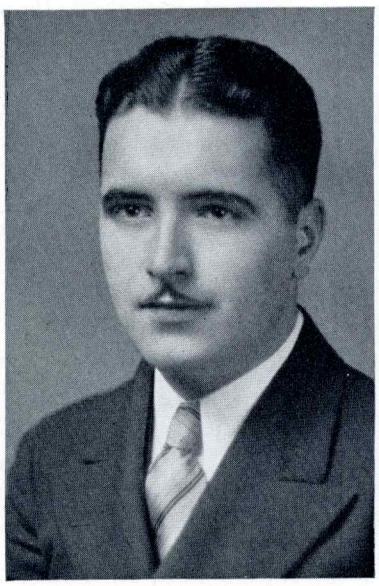
Electrical Engineering

Hebrew Technical Institute

Basketball, '30.

"Johnny" is an unintentional comedian of rare ability. We just ask him to tender an explanation of some electrical theory and the fun begins. With gesticulations aplenty and sentences of weird structure, "Johnny" does his act. We just interrupt him occasionally and look askance. "Johnny's" inevitable response is a hearty laugh. He wonders whether he believes it himself. His naiveté is a source of good humor to everybody.

With all his good nature, "Johnny's" equanimity is never disturbed, and we can therefore predict a successful future for him, especially in his association with others.



CESAR TOLIVAR

"Cesar"

ΦΣΩ

Electrical Engineering

Brooklyn Vocation School
Brooklyn Evening High School

Cesar is an inhabitant of that garden of tombstones—Brooklyn—tho' his smile would belie it. His namesake had his chariots, Cesar has his Chrysler. He boasts it has passed 130,000 milestones, but unbelievers think they were tombstones. At any rate, in the wee hours when the milkman is at his best—Cesar is king of the road.

However, as many a fair maiden will vouch, Cesar has his good points, not meaning his tie-score moustache. He has the latter so shaped as to not interfere with his abnormal thirst. And does he thirst.

In spite of all this, however, the class of '34 would be drab indeed without the genial, gentlemanly Cesar Tolivar as any E.E. knows.

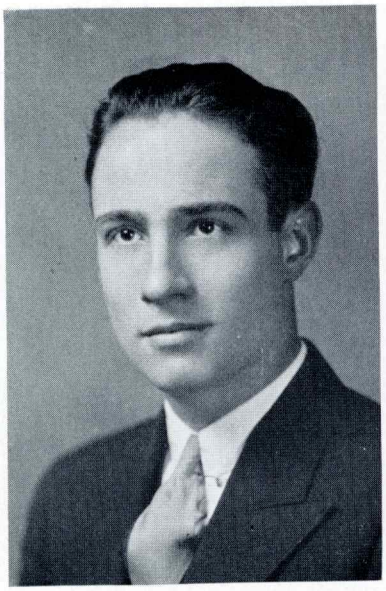
W. BYRON WEBB

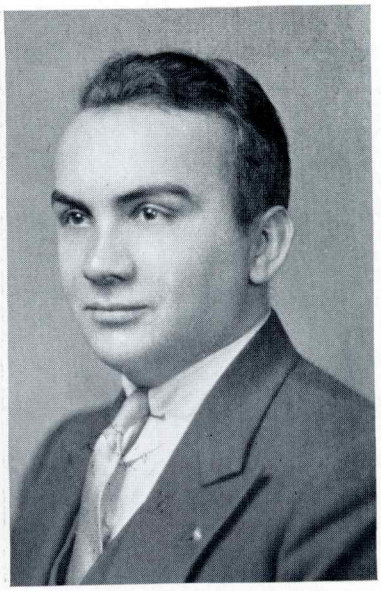
"Bill"

Electrical Engineering

George Washington High School

Before entering Cooper, "Bill" was suffering from air-mindedness. He still is quite high-minded. The New York Edison Company has availed itself of "Bill's" services for about six years and seems to be doing very nicely. It's quite probable that air-mindedness, plus the knowledge of electrical engineering that our hero may pick up at Cooper, will carry him to remarkable altitudes in the profession.





PETER F. WIELD

"Pete"

ΦΣΩ

Electrical Engineering

Jamaica High School

Junior Prom Comm., '33.

"Pete" on entering the portals of Cooper Union had all the intentions of becoming an electrical engineer. So far he has been successful in his ambitions.

Every night about eleven-thirty we can see him rushing past the Foundation Building going to work. Working nights, as he does, we often wonder how "Pete" will manage when he gets married. So far he has managed to keep his heart whole and fancy free.

"Pete" by his good-nature and fun-loving ways has earned our respect and good wishes, and to him we say, as they say in German, "Hals und Beinbruch."

ANTON J. WILLE

"Tony"

ΦΣΩ

Electrical Engineering

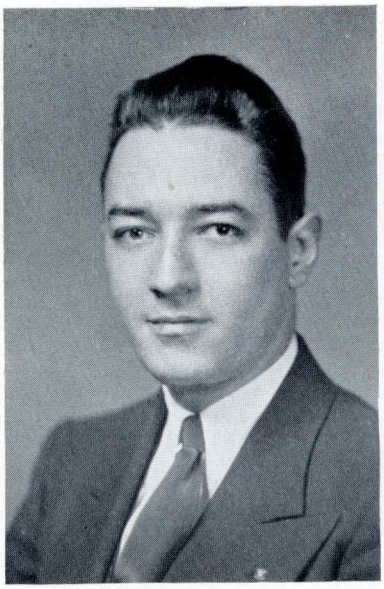
Townsend Harris Hall High School

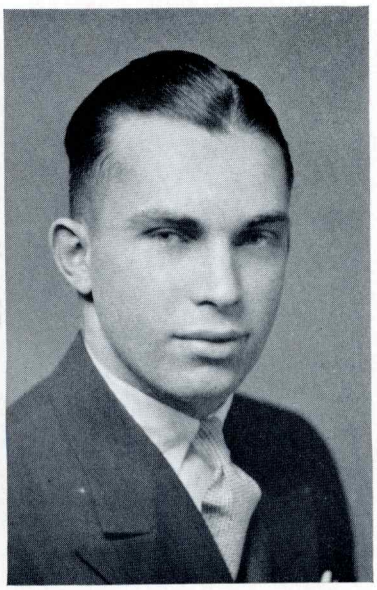
A.I.E.E., '33.

"Tony" is the happy person you all see gracing the picture. He hails from the wilds of Long Island. His favorite hobby is drinking beer. His only weakness is a little woman in the far-off land of Brooklyn; but then, lads, who can blame him?

He possesses all the necessary qualifications such as initiative, self-confidence and the ability to solve difficult problems, that makes success for him a c e r t a i n t y. "Tony's" aim is the position of a patent attorney.

"Tony," we are expecting a great deal from you in the future so don't fail us or your dear Alma Mater.





FRANCIS H. ALEXANDER

"Frank"

ΦΣΩ

Mechanical Engineering

La Salle Academy,
Brooklyn Evening High School
New Lots Evening High School

"Frank" entered Cooper for the sole purpose of verifying many personal theories of subjects concerning mechanical engineering. Naturally some were wrong but quite a few were correct; correct to such an extent that his studies were practically a review. Undoubtedly such ability to be original will sooner or later claim him as a great inventor.

While his activities are negative, he is an ultra-active fraternity brother. "Frank's" secret ambition is to be Grand Master of P. S. O. and judging from his popularity perhaps his ambition will be realized. Success? Shucks! such a man needs no wishes for success—he's just naturally progressive.

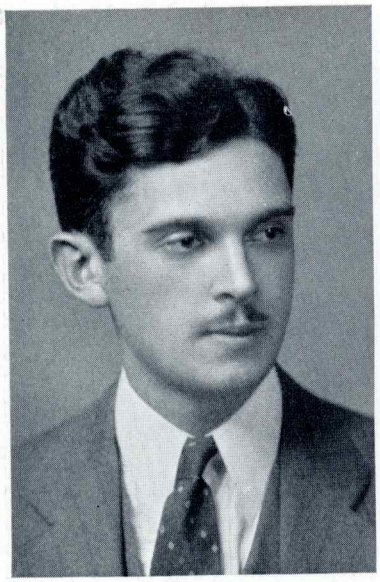
J. GARFIELD BARDES, JR.

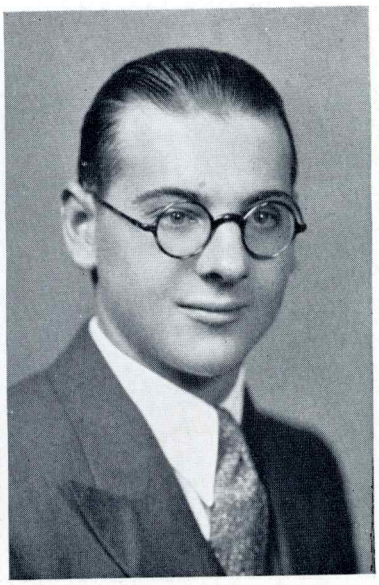
"Garry"

Mechanical Engineering

Erasmus Hall Evening High School
Class Pres., '30, '31; C.U.N.E.C., '30, '31; Treas. C.U.N.E.C., '31; Annual Comm., '30, '31; Freshman Pamphlet Comm., '31; Gold "C," '31.

"Garry" tells us that all big corporations are controlled by graduate engineers and with this idea in mind he undertook the study of engineering. He certainly is possessed with all the essential qualities of a successful engineer, namely, intelligence, ability to handle men, perseverance and initiative, having shown all the qualifications in the pursuit of his numerous extra-curricular activities. Yet while we admit his reasons are sound and his ability unquestionable, we feel that his main reason for becoming an engineer was the lure of excitement and romance and that at some time in the past some sweet young thing has said "I think engineers are romantic."





DAVID DARDICK

"Dave"

Mechanical Engineering

A.S.M.E.; Football, '29; Wrestling, '30; Class Vice-Pres., '33.

Since "Dave" stopped scoring touchdowns for Cooper Union, he's been scoring A's for himself. He is with the class leaders in ability and popularity, and it is quite possible that "Dave" will head the Cooper Union mechanical engineering class of '34, in many ways. In counting up the score, scholarship, initiative and personality count heavily—so we're all sure that "Dave" can't fail.

GEORGE DVORAK

"George"

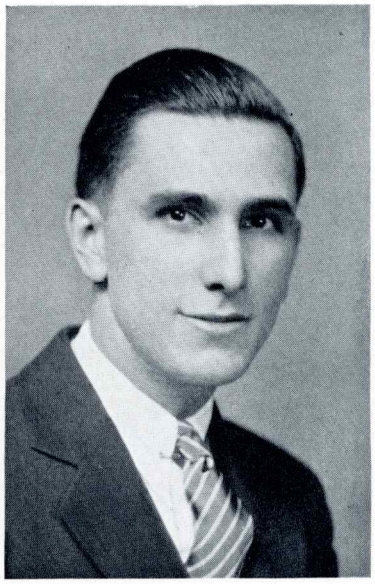
Mechanical Engineering

Boys' Vocational School

Evander Childs Evening High School

George is just a dyed-in-the-wool yachtsman, a windjammer as they go, sailboats being his hobby. He sails and races on Long Island Sound all summer and when winter comes he builds and rebuilds them.

When the instructors here at Cooper lecture on heat or hydraulics, George is usually dreaming of City Island and the good old summer time when the only heat that is around is what's above, and hydraulics, the water below. All in all George has that stick-to-it attitude and we're sure that he will make good.



ABRAHAM EDELSTEIN

"Ed"

Mechanical Engineering

James Monroe High School

A.S.M.E.

If the ability for hard, concentrated effort means anything then Abe should go far in his chosen field of endeavor, for he is one of those industrious students who never leave a problem until it is completely solved.

Quiet and unassuming though he may be, he is well liked by his classmates for his easy-going ways and sympathetic nature. Except for the habit of occasionally being overheard muttering to himself of lost heads—a natural result of too much hydraulics—he is guilty of no known faults, and is in all ways a perfectly sane and normal person.

ALBERT D. FERRER

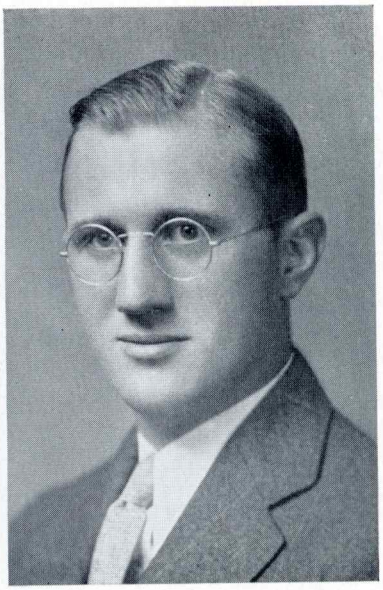
"Al"

Mechanical Engineering

Leonia High School

A.S.M.E.; Math Club, '31.

If silence is golden, here's a man who's been cheated, for he should be a second Croesus, but his smile speaks volumes and fully compensates for his economy of words. He's aces high scholastically and seems to be anxious to drag the rest of us up to similar positions. When he graduates, the engineering profession will be the richer by a man who sees a job clearly, analyzes it thoroughly and goes straight to the solution regardless of any obstacles he may encounter.



JACOB HESS

"Hess"

Mechanical Engineering

Topolya High, Hungary

He worked hard to get into Cooper and nothing short of graduation will get him out of it. Hess, in addition to being a hard working Cooperite, is the proud possessor of a wife and little girl. No wonder he has done so well, he's used to hard work.

Hess isn't an Englishman but he's never without his monocle, which is in the form of a magnifying glass and which he is always willing to lend to a pal or professor.

HARRY IHLENBURG

"Ihlen"

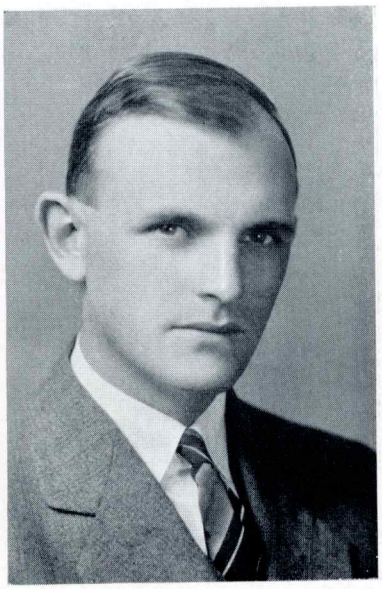
Mechanical Engineering

Brooklyn Academy

Class Treas., '32; Class Sec'y, '33.

Our friend "Ihlen" has his abode in that far-off country known as Brooklyn, and makes a hazardous journey through the city's traffic every evening in an Essex, which is his pride and joy, to get to Cooper.

His burning desire is to ask his instructor numerous questions, and though we josh him about this, we secretly admire him for it. Always willing to learn, he should successfully make the grade.



WALTER C. KLEINFELDER

"Kleinie"

Mechanical Engineering

Curtis High School

Class Sec'y, '31; "Cable" Representative, '30.

Kleinfelder hails from the wilds of Staten Island, which is one of the reasons you can see him at a certain restaurant every night.

We understand that when the Bell Labs made their grand lay-off, they couldn't spare our tall, handsome young man.

If his work at the Labs is anything like his work at Cooper we're sure he'll be its president some day.

THOMAS E. MELICK

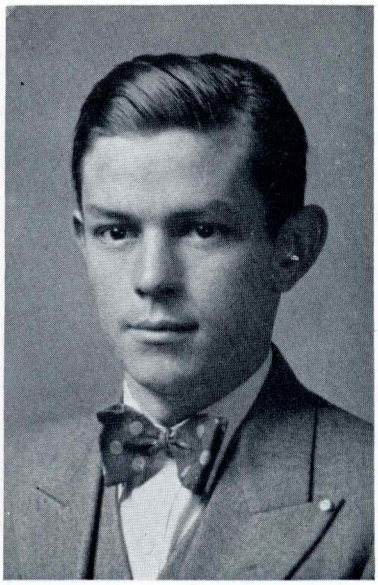
"Tom"

Mechanical Engineering

Irvington High School

Fawcett School of Industrial Arts

"Tom" was born in the wilds of New Jersey and, like most of our great men, started as just a poor farmer boy. In fact he was such a poor farmer that he thought it best to take up engineering instead, and now "Tom" (who, by the way, is the proud daddy of two boys), is about to realize his life's ambition. After Uncle Ezekiel's picture is replaced with a Cooper Union diploma, "Tom" will settle down to the problem of developing a flesh-colored ticker ink for the Western Union.



EDWIN FRANK MITTENZWEI

"Ed"

Mechanical Engineering

Bushwick High School
Bushwick Evening Trade School
Rhodes Prep School

In the fall of 1928 a keen-witted young man came to the halls of Cooper Union. "If I get in, the rest is easy." So he said at the time. The entrance examinations were successfully passed and he buckled down to the task before him with all the assiduous alacrity at his command. At the end of his third year, temporary illness caused a setback. But he came back to slay the dragon and now is a straight fourth-year student, still eager for the fray.

JOSEPH EDWARD OWENS

"Joe"

ΦΣΩ

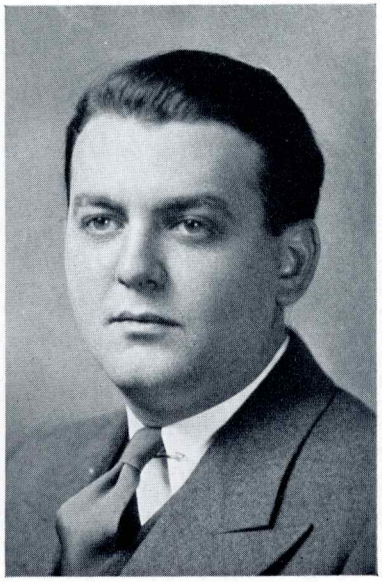
Mechanical Engineering

Rawlings Jr. High School
East Technical High School

"Joe" has a great habit of walking along the curb. What he is looking for no one ever knows (probably cigar butts for his pipe). As a result, however, the curbstones around Cooper are badly scraped by his famous brief case.

He is a great mathematician, nevertheless. "Joe" can take any equation under the sun and when he is finished with it, he will either prove that one equals one or that it cannot be solved.

One of "Joe's" greatest hobbies is fishing, and his secret ambition is to catch a fish. He will be a mechanical engineer though, believe it or not, it's in him.



JOHN H. PETERSEN

"Pete"

ΩΔΦ

Mechanical Engineering

Brooklyn Tech.

Treas., A.S.M.E., '33; Class Sec'y, '33; Junior Prom Comm., '33.

Someone evidently well acquainted with human relationships has remarked, "A friendship that makes no noise is often the most useful." With uncanny ease, it seems, "Pete" endears himself to everyone by his readiness to be of aid to his fellow men. He is one of those who prefer not to shout from the housetop to demonstrate his forceful personality. "Pete" has only two vices: he plays the saxophone and smokes a pipe.

He is truly a gentleman and a scholar, and if the gods are just, "Pete" is certain to attain success in his profession.

MORRIS E. ROTH

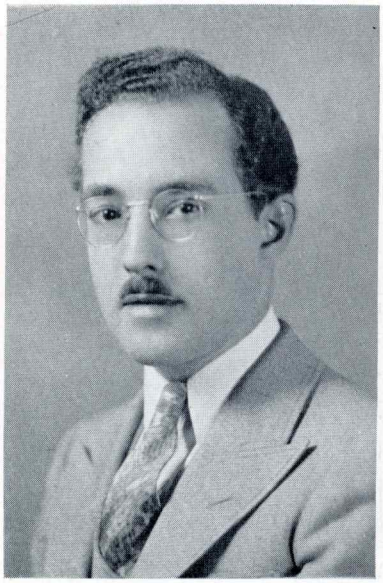
"Morris"

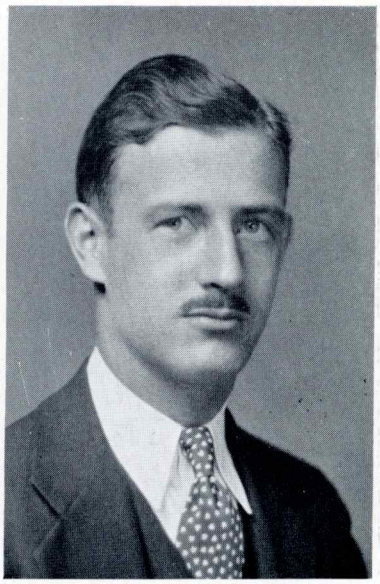
Mechanical Engineering

Stuyvesant High School

Class Pres., '33; Junior Prom Comm., Chairman, '33.

Here's a fellow who seems to thrive on hard work. Cooper certainly doesn't get any easier as the years go on, yet Morris is almost twice the size he was when he entered. But for a serious setback after his second year, when he declared time out, in order to have some spare parts of his anatomy removed, he might have been up with the seniors and only reminiscing on this section of the book. We're rather selfishly glad that he's been lett to us, good-natured people being somewhat scarce at this late stage in the game. Carry on, old boy!





HERMAN L. SCHICK

"Hermie"

ΩΔΦ

Mechanical Engineering

Brooklyn Vocational School

A.S.M.E.; Math Club, '33; Photo Editor of "Cable," '33; Gold "C," '33.

Some fellows are born with the marvelous faculty of not only absorbing knowledge but also retaining it. "Hermie" is one of these fortunate individuals. The information stored in the cranium of this little fellow has assumed vast proportions and commands the envy and respect of his fellow classmates.

Looking at him from a social standpoint we observe a pleasing personality with a good sense of humor.

He is much interested in aeronautics and hopes some day to take an active part in this branch of the engineering profession.

May the good wishes of his classmates ever follow him through life.

LOUIS V. TONERO

"Lou"

Mechanical Engineering

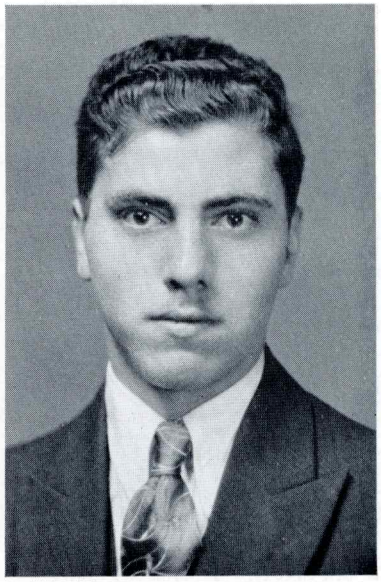
Newark Evening High School

A.S.M.E.

"Lou" hails from Newark and since entering our Alma Mater has been one of the Tube's steadiest customers.

This man has had many obstacles in his path to knowledge, but he has tackled and bested all these difficulties with a cheerful air and stubborn persistence that will surely win him success in whatever he may undertake. "Lou" is an idealist, he has his wagon hitched to a star, and idealists rarely attain their goal; but one who aims so high must at least reach the moon. We predict a successful and honorable career for him.

There is no more sympathetic and loyal friend than the noble gent you see above and when it comes to the fair sex, can't you imagine them flocking to adore that Patrician mug?



ARTHUR WEBER

"Artie"

Mechanical Engineering

New Utrecht High School

A.S.M.E.

And in this corner we have "Artie," the chap from the wilds of Brooklyn. With obscurity likened to the ground hog in winter, "Artie" was first spotted behind a book. The books have changed until now it's hydraulics, but "Artie" is still "Artie."

Thus it can be said that "Artie" is a plugger, not in the sense of the so-called bookworm—for that is a lowly creature—but rather as a pilot who has laid a celestial course for him to follow.

An ideal motto for this chap would be "actions speak louder than words," for has he followed this course? Can a duck swim? Not only has he followed the course, but made it wider by his willingness to help his fellow sufferers (brother, can you spare a dyne?).

ANTHONY De BIASE

"Tony"

Tech

Civil Engineering

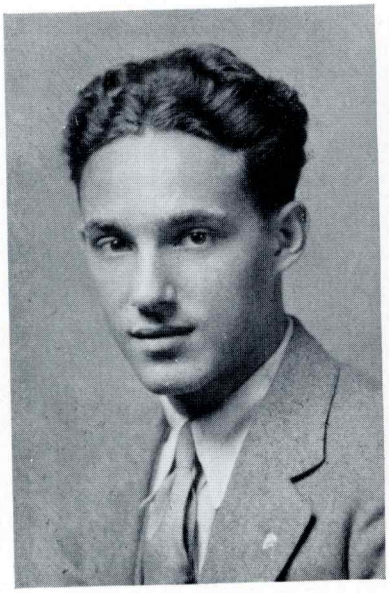
De Witt Clinton High School

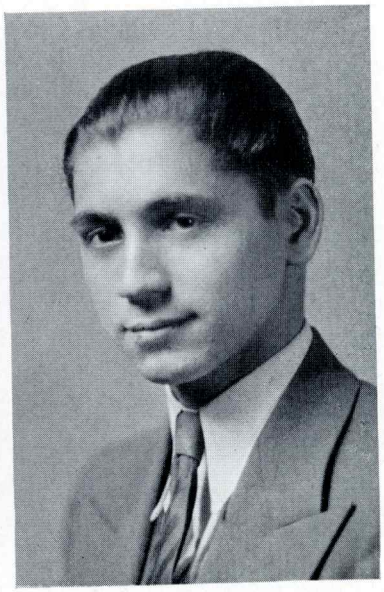
College City of New York

A.S.C.E.; Math Club; Student Council, '33; Rifle Club.

"Tony" is the type of fellow who will complete a definite task in a minimum amount of time. This time-saving characteristic seems to be due to his ability to devise "short-cut" methods, but they are not always looked upon with favor by the profs.

He is reliable and will always help a friend although it might inconvenience himself. Strange as it may seem, he has a love for something else besides engineering. This love takes shape in the musical works of the old masters, and while enjoying their pieces, he can temporarily forget all he acquired at Cooper.





S. H. DUNSAY

"Dun"
Tech
Chemical Engineering
Evander Childs High School

This is our one and only "Dun." He hails from the land of the four-card draw, but left its cerulean skies for the smoke of Cooper with the determination to become a chemical engineer.

This in itself has proven a gigantic task to many, but "Dun" has not been satisfied with this alone. He is a good sport and always willing to do his share in entertaining a crowd with tales of his exploits and of his endeavors. We always give him the benefit of the doubt and keep in mind that he is a pleasant fellow to be with.

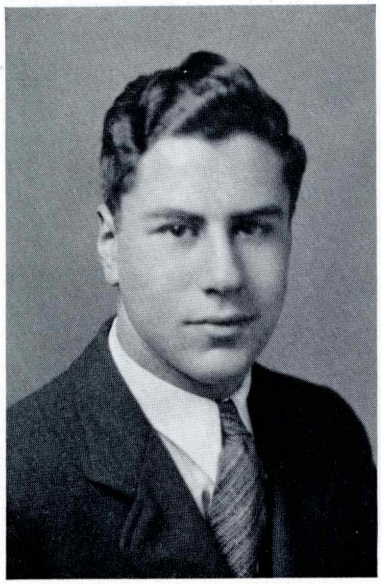
The honors he gained are in themselves a tribute to a wonderful personality and intense application to an ambition once assumed.

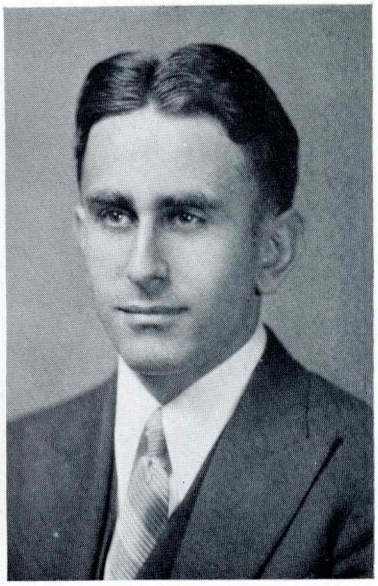
IRVING JAY FROMOWITZ

"Frommie"
Tech
Chemical Engineering
Morris High School
A.I.Ch.E.; Math Club.

"Frommie" is proud. His creed is "A Fromowitz is always in the right, but, right or wrong, a Fromowitz." If you don't believe he is right, he is willing to prove it to you; and can that man argue. If he can't reason you down, he'll shout you down; if he can't throw you down, he'll get the whole chemical engineering class to do it for him.

"Frommie" is a sociable fellow and is always ready to raise his somewhat doubtful tenor in accompaniment to any willing baritone. "Frommie's" rendition of "My Wild Irish Rose" is accepted as standard in all the chemical labs and has successfully passed the balance room test, at which performance he succeeded in throwing each zero point a division off.





SAMUEL KAPLAN

"Sam"

Tech

Chemical Engineering

Eastside High School, Paterson, N. J.

A.I.Ch.E.; Math Club.

"Sam" is one of the highest of the chemical engineers. In fact he is the highest, being over six feet tall. For a chemical engineer, "Sam" is remarkable. He never comes to class without his assignment and, what is more remarkable, his work is his own product. Though he is not talkative when among strangers, his friends find him a brilliant conversationalist.

HARRY KIHN

"Hil"

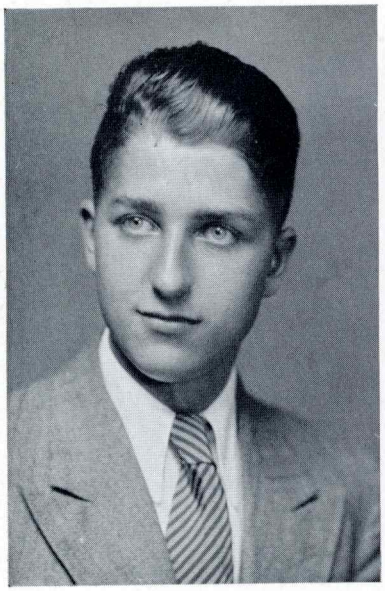
Tech

Electrical Engineering

Passaic High School

A.I.E.E.; Class Pres., '33; Math Club; Student Council; Basketball.

"Hil" is one of the boys who takes things seriously. He is always ready to explain a problem to perplexed under-classmen. Though women are a riddle to him, he fears them not. His sincerity has won him many friends and arguments.



JOHN W. KINKEL

"Dutch"

ΣΑΠ

Tech

Chemical Engineering

Jamaica High School

A.I.Ch.E., Math Club, Rifle Club.

There is an old saying about "The more the merrier," and it certainly applies to "Dutch." If old C. U. had more men like him the college day would indeed be less monotonous. His humor, while not subtle, is decidedly rare and convulsing. Like most Cooperites, "Dutch" fairly devours equations of all shapes and sizes: quadric, cubic, quintic, partial differential, are all alike to him. He can analyze any given sample of beer, burn out a generator or lose a precipitate with the best of them. In the dim years of the future, while the boys are toiling down in the grime, we will probably see good old "Dutch" way up on top, keeping everything humming and rolling them in the aisle.

HARRY A. KLUG

"Harry"

ΩΔΦ

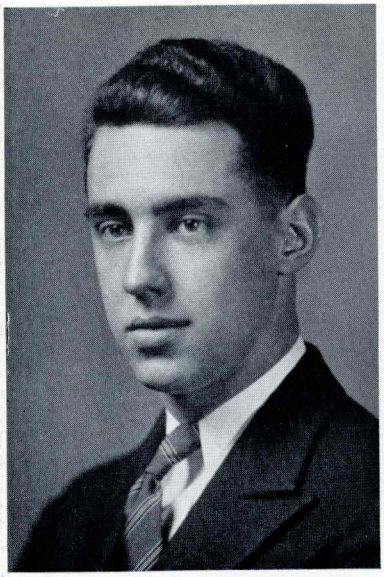
Tech

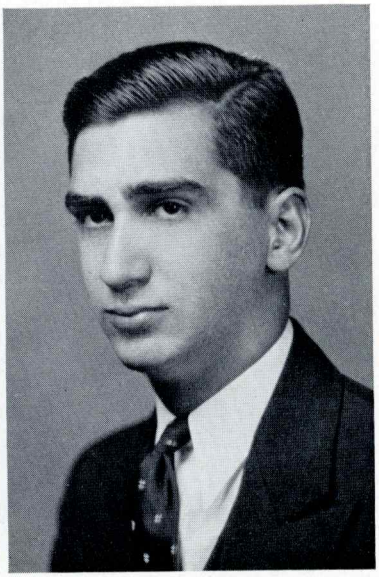
Electrical Engineering

James Monroe High School

A.I.E.E.; Newman Club; Class Vice-Pres., '31, '32; Vice-Pres. A.A.; Students Council, '31, '32; Baseball, '31, '32; Tech Dance Comm., '32.

Harry is one of those fellows people throw shoes at in the middle of the night (he's a saxophone player) but outside of that he's normal. His activity coefficient must be in the neighborhood of the speed of light, for he is one of the most active men in the class, being a leader in sports, school and social activities. He can make a calculus problem sit up and beg, and his lab work is an example of all that it should be, so there is no fear of his not being a successful engineer. His big trouble with the "weaker" sex is in deciding who, among the many.





FRANKLIN B. LESLIE

"Les"

ΩΔΦ

Tech

Mechanical Engineering

Brooklyn Technical High School

Secretary A.S.M.E., Math Club

Meet "Frank" Leslie, the M. E. star of the E.E. courses. "Frank" is one of those rare birds who can find time not only for his particular branch of engineering but also for a dozen other more or less unrelated subjects. "Frank" can walk into the E.E. lab, hip-deep in ammeters and syncroscopes, snap out a few orders and have everything under control in two shakes.

He is one of the more serious-minded members of his class, and we see for him in future years a great success in his chosen profession.

HARRY D. LEVINE

"Harry"

ΜΑΠ

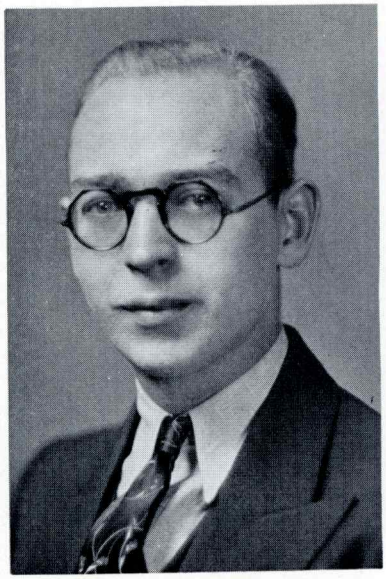
Tech

Chemical Engineering

George Washington High School

A.I.Ch.E.; Pi Sigma; "Pioneer," '31, '32; Math Club, '31, '32.

Harry is the one whom all the instructors blame for everyone's doings, because he always has such a devilish grin on his face. When it comes to television, this boy is right there. He has been so bitten by the bug that he has gone so far as to develop a system of his own, because he thinks the present methods are not practical.



WILLIAM LEVITZKY

"Bill"

$\Omega \Delta \Phi$

Tech

Civil Engineering

Stuyvesant High School

A.S.C.E.; Newman Club; Math Club.

"Bill" is the sort of chap who does not take his work seriously but manages to do well. He has an inexhaustible supply of wit and humor. In his serious moments he thinks up brilliant ideas, as doing calculus problems on a slide rule, much to the amazement of his classmates.

As a civil engineer, "Bill" takes his surveying seriously—he recently discovered the corner-stone of the Hewitt Building moved four feet one day.

"Bill" is also possessed of an amiable disposition and a good manner of making contact which will help him succeed in this world.

V. L. LICURSI

"V.L."

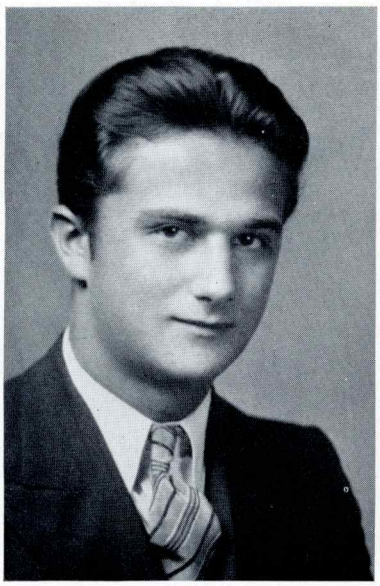
Tech

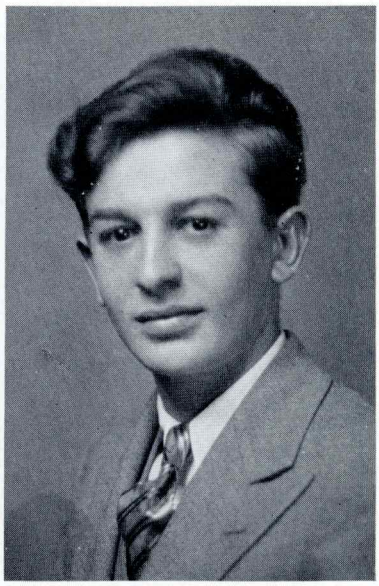
Electrical Engineering

Inwood High School

There is a little town called Inwood out on Long Island, where they take in the sidewalks at nine o'clock, but from the depths of this burg there came a young Adonis who turned out to be one of the best models that Cluett, Peabody and Company ever had.

We must not pass on without giving "V. L." credit for his talents. As a musician he was hard to beat and not only cracked a mean ivory, but blew some pretty ones on the moaning sax. In days to come when we are all scattered over the face of the earth, his radiant smile and fresh and contagious happiness that was the life of many a party will be recalled by many.





M. LIEBLICH

"Lib"

Tech

Electrical Engineering

Boys' High School

This fellow walks about as if the cares of the world were resting upon his Gargantuan shoulders. We have often wondered at the cause of that preoccupied look. Was this apparent oblivion merely mashing the calisthenics of an active mind or was he just recalling some far distant pinochle game in which he had participated? We still wonder.

"Lib" has the personality that makes for friends. Ever ready to laugh, good humor constantly radiates from him, enveloping all those about him with good will and dispelling with its warmth the spell of the blues.

MOSES H. LIPSCHITZ

"Moe"

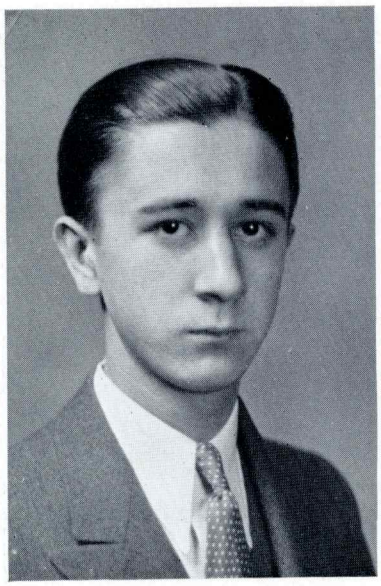
Tech

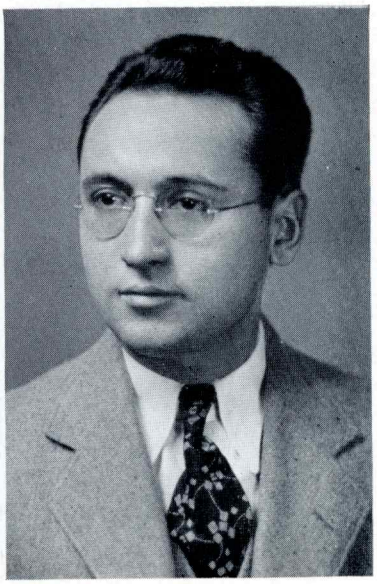
Electrical Engineering

A.I.E.E.; Math Club.

Like the two leaders he is named for, Moe is destined to become an educator. His training and heredity mark him as a true teacher of his fellow men. He will be an influence four or five decades hence.

Moe is one of those subnormal human beings who believe that there is a virtue in certain "faults."





ALOYSIUS A. MILUSICH

"Al"

$\Omega \Delta \Phi$

Tech

Electrical Engineering

Stuyvesant High School

A.I.E.E.; Math Club; Newman Club; Ass't Mgr., Baseball, '33.

"Al's" belief in the balanced life makes him active in athletics as well as interested in his studies. The willingness to begin at the bottom gives "Al" a basis for the start to the top, and also provides a foundation on which to build his career as an electrical engineer. His interest in social life keeps him in company with his fellow students, whom he does not meet otherwise. As a result of the various activities, "Al" has gained the enjoyable acquaintance of his fellow students, and the joy of helping to make this small world a more pleasant place.

BENJAMIN OILL

"Ben"

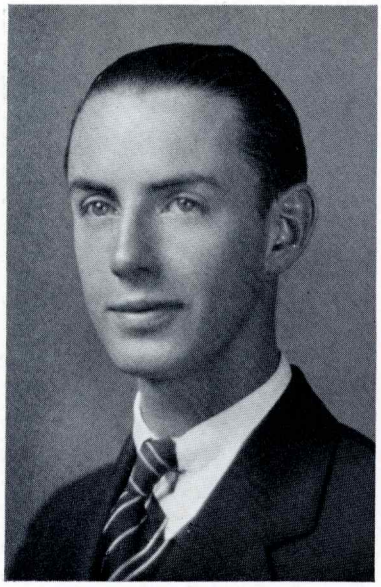
$M \Lambda \Pi$

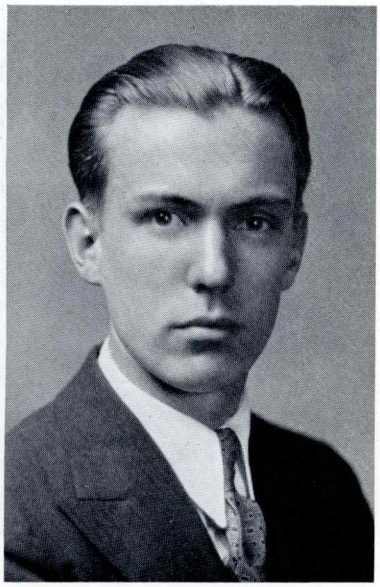
Tech

Mechanical Engineering

Tech Business Mgr. of "Cable," '33; Sec'y' Meter and Pen, Student Council, '32; Math Club.

Meet "Ben," the collector par excellence of Cooper Tech. Late in the fall of 1929 he started out to sell the "Pioneer," "The Cable," the Math Club, The A. A. and anything else he could find, and now we see him in his third year and going strong. Graduated—to a slight extent—from the actual selling, he now directs the Tech distribution of the Cable, and according to all reports is doing rather well. But the abilities of this genius extend even into the depths of the D. C. lab, where he is known far and wide as the man who uses six ammeters to measure a field current.





DOUGLAS F. OLIVER

"Doug"

ΩΔΦ

Tech

Electrical Engineering

Jamaica High School

Orchestra.

"Doug" is one of those fellows who in spite of his six feet or more is still striving to climb higher. He is a hard-working chap with an exceedingly pleasing personality. His classmates are always sure to seek his aid in overcoming their difficulties. In spite of all this, he still doesn't know enough not to fall for some little girl from R. H.

With the characteristics we find in "Doug," he is bound to be successful in his chosen work.

PERRY H. PETERSEN

"Perry"

ΩΔΦ

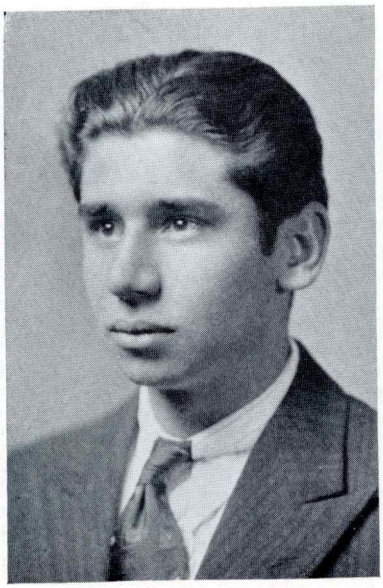
Tech

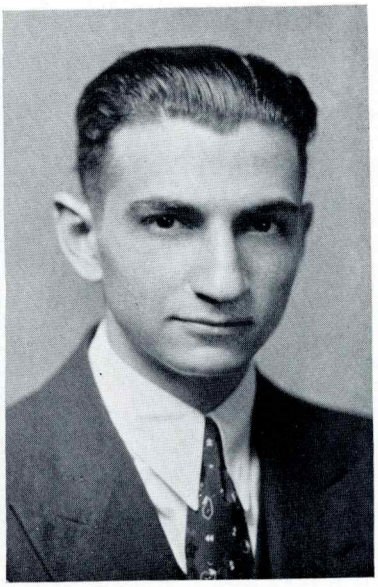
Civil Engineering

Richmond Hill High School

A.S.C.E.; Math Club; Orchestra.

Perry is a possessor of many sterling qualities. He is one of those few fellows who are able to hold down an outside job and successfully keep up with his studies. His modesty is becoming and his knack of solving problems when others have failed is exasperating. Never refuses to help anyone, even if it means giving up his favorite pastime. His clear reasoning marks him as one designed to go far in his chosen profession of civil engineering.





I. PINSKER

"Pins"

Tech

Chemical Engineering

Clinton High School

Someone, evidently well acquainted with human relationships, has remarked, "A friendship that makes no noise is often the most useful." With uncanny ease, it seems, "Pins" endears himself to everyone by his readiness to be of aid to his fellow men. He is one of those who prefers not to shout from the housetops to demonstrate his forceful and unostentatiousness.

His ever-present pleasing smile, his subtle wit, his understanding and tolerance of human weaknesses, his alert and penetrative mind—all these, we are sure, will carry "Pins" high up in his profession.

S. SCHWARTZ

"Schwartzy"

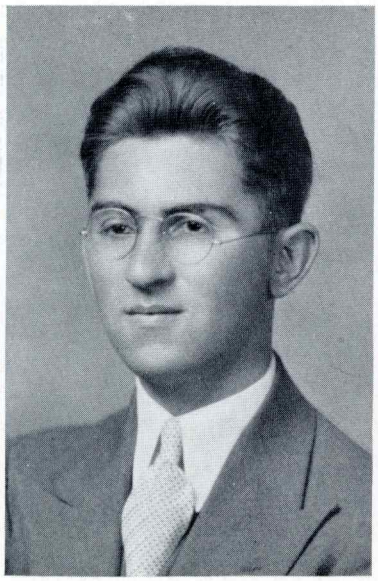
Tech

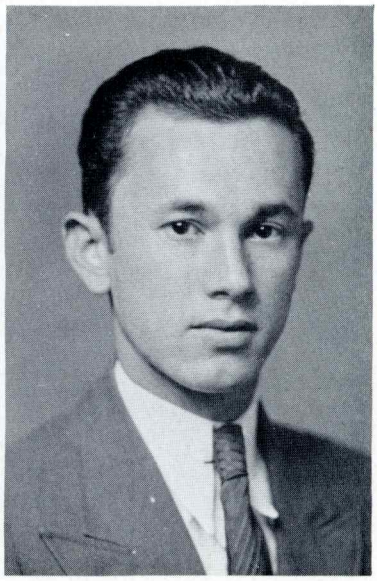
Chemical Engineering

Morris High School

Four years at Cooper Union have left their imprint on many of us, a little less hair, another wrinkle, a duller eye, but not so with "Schwartzy." Immune to worry, he has danced his way through school. The results of an osteology exam convinced him that he would go through unscratched. Events have borne him out well.

He is a diligent student and when asked a difficult question, he always has a ready answer. Those of us who r e a l l y know "Schwartzy" appreciate him as a real friend and are certain of his success in whatever field he may choose to enter.





SAUL SHILITZ

"Shile"

M A II

Tech

Chemical Engineering

West New York High School

A.I.Ch.E.; Class Treas. '32; Student Council, '32, '33; Inter-class Basketball, '32.

Shilitz is one of the most popular fellows in our class but his first name is a dark secret to all but his next-to-best girl friend. His witty "Joisy" cracks kept us from doing anything but designing pickling plants in last year's drawing room. His favorite indoor sport is poking Simon in the ribs during important lectures. Lotsa luck, ole top.

JACK SIMON

"Jack"

Tech

Chemical Engineering

Eastside High School, Paterson, N. J.

A.I.Ch.E.; Math Club.

This gallant rider of the Erie Railroad intends to challenge King Solomon's record. He has a girl's name or picture everywhere you look. You can always find him with his right elbow dug into Shilitz's left ribs. Jack is well liked and has a giggle that can put even Ed Wynn to shame.

JOSEPH F. SKELLY

"J.F."

Μ Α Π

Tech

Chemical Engineering

Erasmus Hall High School

Editor-in-Chief of "Pioneer," '33; Pi Sigma.

Introducing Tech's well-known editor, scholar and statesman-at-large. The rumor runs that Joe spends half the night editing his paper, dashes off a couple of lab reports and an hour of German before daybreak, and then shows up at 9:30 every morning—smiling.

"Joe's" good nature adds a cheery warmth to a reputation for having a brilliant wit, common sense, logic, and thrust with manly courage into the exact points of Cooper's anatomy where it will accomplish results.

After three years' association with "Joe" in student affairs we still find him to be a fine friend and a formidable opponent.

JOSEPH JOHN STEINMETZ

"Joe"

Μ Α Π

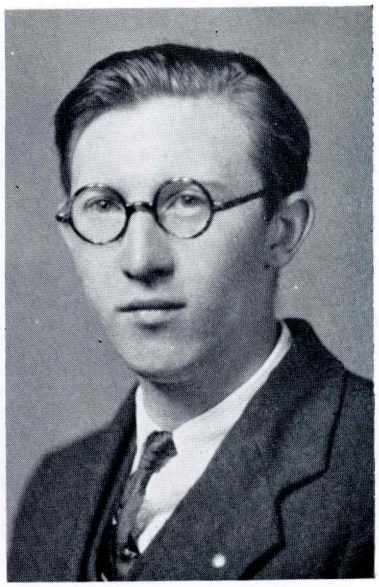
Tech

Chemical Engineering

Saunder's Trade School

A.I.Ch.E.; Math Club.

"Joe" is just one of the happy-go-lucky lads of the class. He never takes his instructors seriously and they do the same for him. Under no circumstances does he let a difficult question stump him. If he doesn't know, he comes right back with a snappy, "Don't ask me, Prof." His handwriting is the marvel of the ages; he uses his own special code which is so good that he can't decode it himself. Among other things, he is interested in photography, astronomy, telescope working and book collecting. We also understand he assists in the library at his home town.



WILLIAM C. STEVENS

"Buffalo Bill"

ΣΑΠ

Tech

Civil Engineering

Buffalo Technical High School

Ass't. Mgr., Basketball, '33; Student Council, '33, Ass't. Adv. Mgr., "Cable," '33; Vice-Chairman, A.S.C.E.; Pres., Rifle Club, '33; Math Club.

Although "Bill" is known far and wide as Buffalo he is no relation to that mighty gentleman, "Buffalo Bill." However, he seems to be possessed of that same hunting spirit; for, as you know, he is now engaged in that worthy occupation, the pursuit of knowledge. In this, as in most of his enterprises, "Bill" enjoys noteworthy success.

He also enjoys great popularity and an atrocious taste for such queer noises as dog's barks. Such noises he practices until the original is put to shame. However, such are his sterling qualities, that "Bill" will no doubt be a great success in his chosen line.

W. S. SYKORA

"Syd"

Tech

Chemical Engineering

Jamaica High School

Quiet, reserved and unassuming is our friend "Syd." He goes about his work with a pleasant smile and without fuss. He passes from class to class quietly from year to year, toiling, sorrowing, rejoicing and not letting a mere renal calculus disturb the even tenor of his ways.

Beneath this phlegmatic exterior, however, is an alert mind, a vibrant personality, and a world of ability. His very tranquillity should serve him well in those emergencies which everyone must face, and where calm and thorough survey of the situation is called for.

GEORGE TOBEL

"Georgie"

Tech

Electrical Engineering

Malden High School, Malden, Mass.

A.I.E.E. "Pioneer" Staff.

George puts a great deal of time and effort into everything he does. He has been interested in radio from the days of wireless and crystal sets and has made radio a paying hobby. He intends to specialize in television, which he believes offers great opportunities. He has had many other interests and has been active as an organizer and member of many clubs, both scientific and social. He also likes tennis and hiking.

RALPH TOROP

"Shorty"

Α Μ Σ

Tech

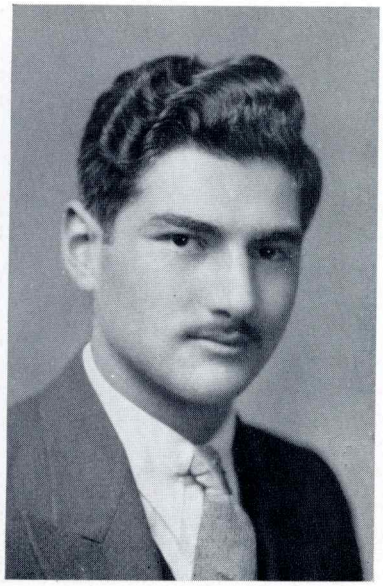
Chemical Engineering

Asbury Park High School

Vice-Pres., A.I.Ch.E., '33: Class Sec'y, '31, '32, '33; Sec'y, A.A., '33; Class Treas., '33; Pi Sigma; Student Council, '32, '33.

"Shorty" may be small in stature but he is big in other things. For instance his ability to make friends. Besides throwing basketball he throws words as sport editor of the "Pioneer."

His perseverance is phenomenal—witness the grey hairs the youth has. From studying, he claims. He certainly didn't get them painting houses.



CHRISTIAN A. WAMSER

"Chris"
Tech
Chemical Engineering
Bryant High School
Ass't. Sec'y, Math Club.

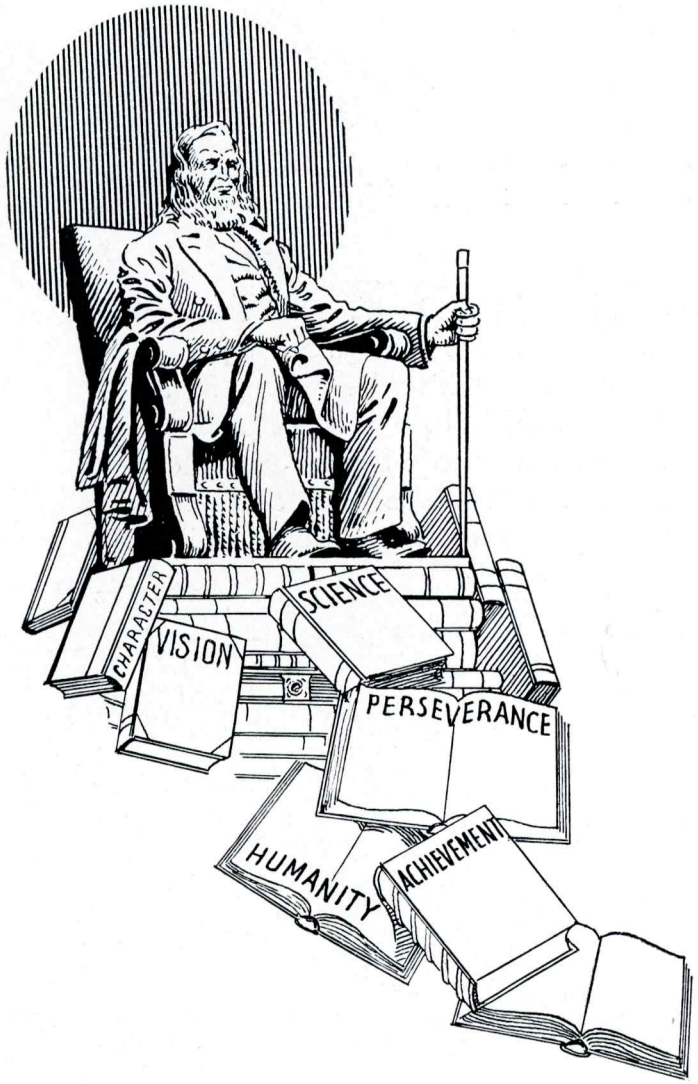
"Chris" is a gentleman, a scholar and a big help to his classmates. His knowledge of chemistry, mathematics, German, and so forth keeps him at the top of his class, and keeps the rest of the class from the bottom.

"Chris" is one man that has no enemies. He is just naturally good natured and nothing can be done about it.

DAVID S. WINICK

"Dave"
Tech
Chemical Engineering
James Monroe High School
A.I.Ch.E.; Math Club; "Pioneer"

Maybe "Dave" wasn't born with a silver spoon in his mouth but he certainly was born with a question on his lips. Because of this particular loquaciousness in the interrogative sense, he is at once the hope and despair of all the Chemmies and not a few E.E.'s and C.E.'s. When a student in "Dave's" class is hazy about something, he depends on "Dave" to ask some nice, juicy questions which will set him right. But "Dave" becomes a mean ear bender sometimes. He is, however, a true example of Tech industry and initiative and a fearless experimenter. We wish him success in his new venture as president of a budding young research organization outside the Tech.



THE CLASSES

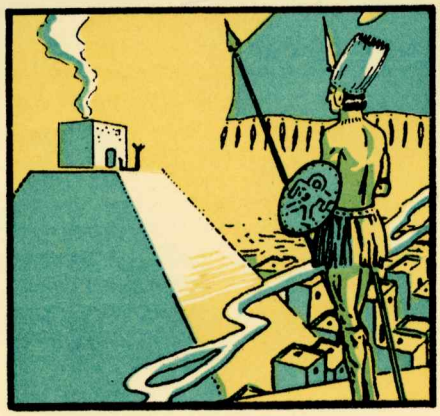
SOPHOMORES

ARCHITECTURE

THE advance and development of the art of architecture is evident in its structures through the ages. From man's earliest crude habitations built purely for utility, to the present wonders which combine fitness and strength with grace and beauty, there have been produced certain distinctive styles. Each of these has been determined by the influences of the culture, wealth and climate of its time.

The highest point of the development in any age was reached in Greece more than four thousand years ago. The Romans then, with borrowed inspiration and form, gave majesty and dignity to buildings by size and mass. Byzantine, Romanesque and Saracenic styles supplied impetus until the advent of Gothicism in the thirteenth century. The latter, with its pointed arches, prevailed for over two hundred years and was widely developed in many countries, being indicative of the life and religious aspirations of the Middle Ages. Following this, the Renaissance produced the great men of the next three hundred years. There has been little that is new since then except in the matter of various techniques, media and revivals. To-day we are only striving to compete with past masters in the production of the best.

Architecture has been a constant growth. The dissemination of its ideals and influences has not been stopped by the passing of great nations. Modern buildings are the products of skill, science and, mostly, past experience.



ARCHITECTURE

The Classes of Nineteen Hundred Thirty-five

Architecture

AS all classes start, so started the Night Architectural Class of 1935. Broke, but full of high ambitions and hopes.

The first semester got us no further than to organize the class and elect officers. George Berlow was elected president, Charles Cramer Ward, vice-president; William Willis, secretary, and J. Shestilowsky, treasurer. Unfortunately, we were handicapped in having our able president leave school, and with the exception of having a class picture taken for the "Cable," nothing of importance took place.

September of 1932 found the majority of us back to the old grind, some of us with more ambitions and hopes than ever and some with less. A few weeks after school started, the class reorganized with a new set of officers and with the idea that the class of '35 would make a name for itself. Edward Kroeger was elected president, Michael Lisinicchia, vice-president; Bernard Smith, treasurer, and Frank Smith, secretary. To date we have progressed fast and are now planning the Sophomore Hop to be held at The Park Central Hotel, March 4. We hope to make this dance the social event of the Cooper Architectural social season.

Besides showing an interest in social activities, many of the fellows have represented Cooper on the athletic teams and have made names for themselves as well as helping to put Cooper in the collegiate spotlight.

Our sincerest hope is for the class of '35 to continue what it has started, and we know it will be worthy of its predecessors.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-five

Chemical Engineering

UPON our return to the venerable halls of Cooper in October, we noticed that several familiar faces that were with us last year were missing. It is unfortunate, of course, that both time and studies must take their inevitable toll. We all agreed that our previous year was not a "breeze" by any means and upon examining our present program decided that we would have to get to work quickly, and in earnest, to come through unscratched and escape the many pitfalls that beset and drag down the unsuspecting student.

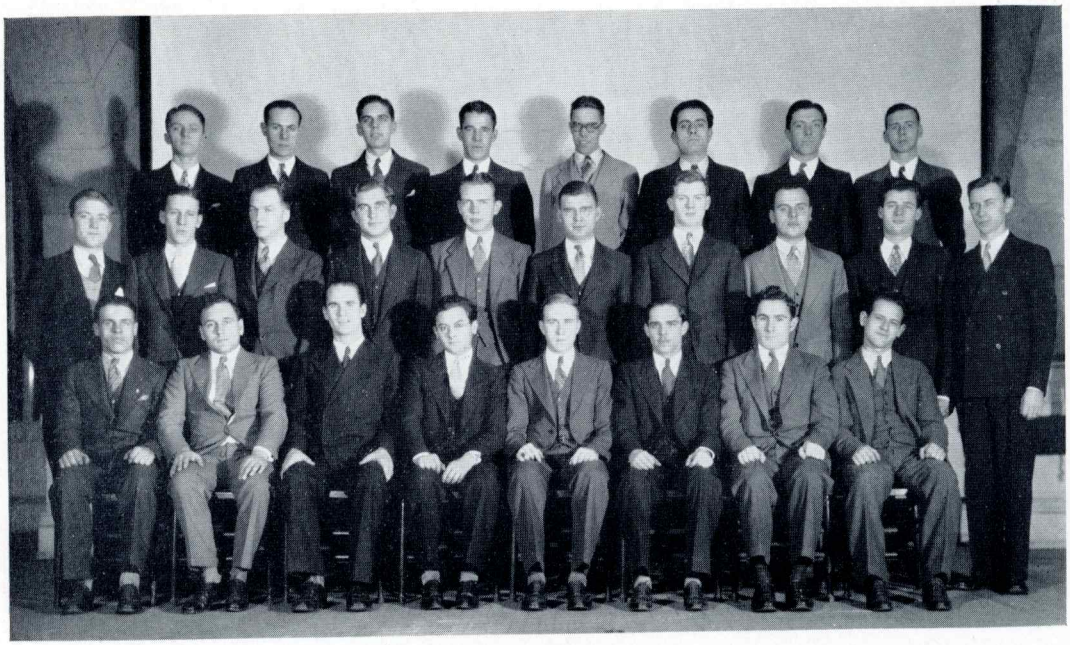
A class organization meeting was held and the above-mentioned students were elected to guide the destiny of the class during the 1932-33 year. The class found itself to be a small group and thus the companionship of the past years succeeded in consolidating it to one friendly unit.

Several of the students were connected with extra-curricular activities. Among those were Eugene Kelly, who was associate editor of the "Pioneer"; Harold Albert, who was sport editor of that publication, and Gus Rosen, who performed on the football team. Many of the members of the class were industrious in making the class government itself perform smoothly. Morris Kashman, Joe Lovas, Ed Stakien and our valiant treasurer, Kenneth Tosh, were some of the many students who helped to accomplish this.

A class function was planned for February and a grand climax arranged at the end of the college year. Nor must we forget to mention a few words of praise of our professors and instructors who have so diligently and successfully directed us in our studies.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-five



Electrical Engineering

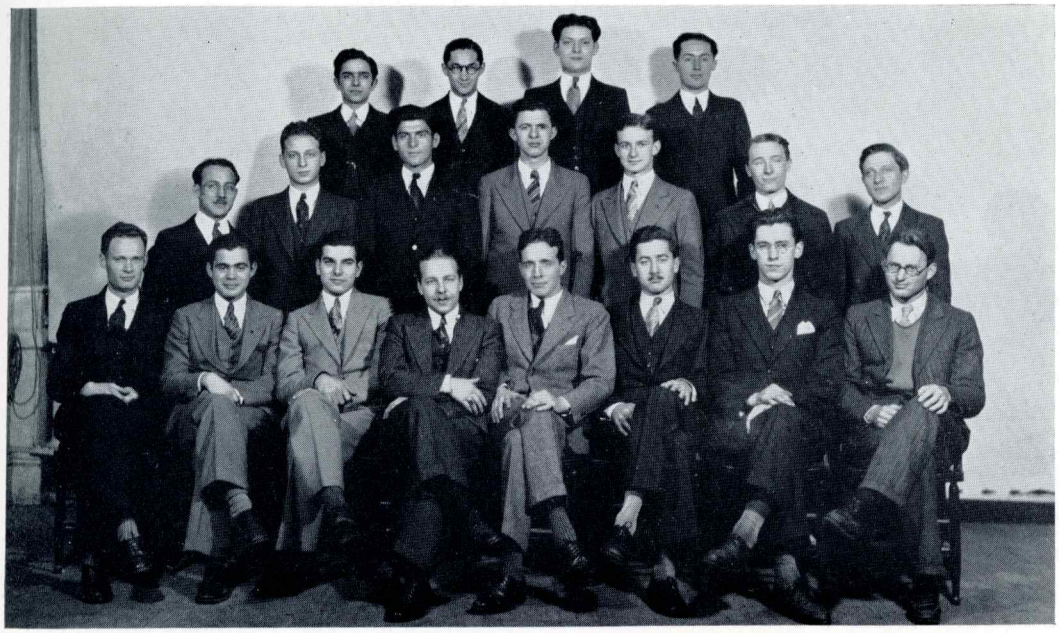
MIDWAY on our journey from frolicsome freshmen to sagacious seniors we pause to review the impressions of the last few years.

Those entrance exams, phew!—that proud thrill upon receiving that admittance card—those first few nights of school, alone in a crowd—gradually becoming acquainted—humorous profs—sarcastic profs—sincere profs—cynical profs—good grades—walking on air—poor grades—feeling like shaking hands with the square elevator in the round shaftway—finals—uncertain sinking feeling—final grades and class banquet—two hundred school nights forgotten in one brief one—summer—spare time, unusual but welcome—the return—the re-appearance of the accustomed faces, most of them—settling down to the old routine—the occasional bowling matches—long gleaming alleys—speeding black balls—crashing pins—those sleep-inducing lectures—the swimming parties—glistening mirrors—cool green water—good-natured bantering—real friendships—joys—sorrows—fun—work—a busy, interesting life and only half over.

We'll remember the pleasures and let the sorrows fade in the shadows of the past.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-five



General Science

THIS year, having broken through the shell which isolated each of its sections, the General Science Class of 1935 finally emerged as a class—timid, hesitating and inexperienced, but never the less a class.

Ably guided by our President, a meeting was held on every other Monday of the school year—our best since entering The Cooper Union. It is unfortunate that only a small fraction of the entire class was able to attend these meetings, but the enthusiasm of those that did was matched only by the earnestness of the others to discover what they had missed.

In December, 1932, almost half of the entire class gathered at the Hotel Brittany for our Dinner and Entertainment. While the dinner was a greater success socially than financially a more compensating affair is being planned for the near future.

Through the cooperation of various organizations and enterprises, a series of Saturday afternoon lecture tours were arranged in the course of which we visited some of the largest of the industrial plants besides such places as the Rockefeller Center, the S.S. Deutschland and other places of interest to a student of engineering.

At one of our earlier meetings, Mr. Merritt, of the Physics Department, was chosen as our faculty adviser. His valuable suggestions and beaming personality have since proven the wisdom of this choice.

In closing it would be proper to commend the members of the class as a whole. Although striving to master an increasingly difficult course, The CABLE, the "Pioneer," The Athletic Teams, The A. O. and the other extra-curricular activities have, in proportion to the size of the other classes, more than their share of the Class of 1935.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-five

Institute of Technology

OCTOBER saw the Sophomores enthusiastic and hardly able to restrain their eager spirit. From the heights of their newly attained superiority, they looked down in the general direction of the lowly Freshmen, and talked over the heads of the uninitiated about such mysteries as "I. C. T.," "E. M." or "Calc."

Fall and winter saw the activities of the Sophomores branching into various fields. Athletics, music, journalism, student government and professional societies all found places in the curriculum of various students.

Even class meetings had their share in the activities of the Tech Sophs. Determined to see fair play at any cost, the Sophomores held two elections instead of one, in the second election overthrowing the officers chosen in the first, claiming they had gained office by unethical means.

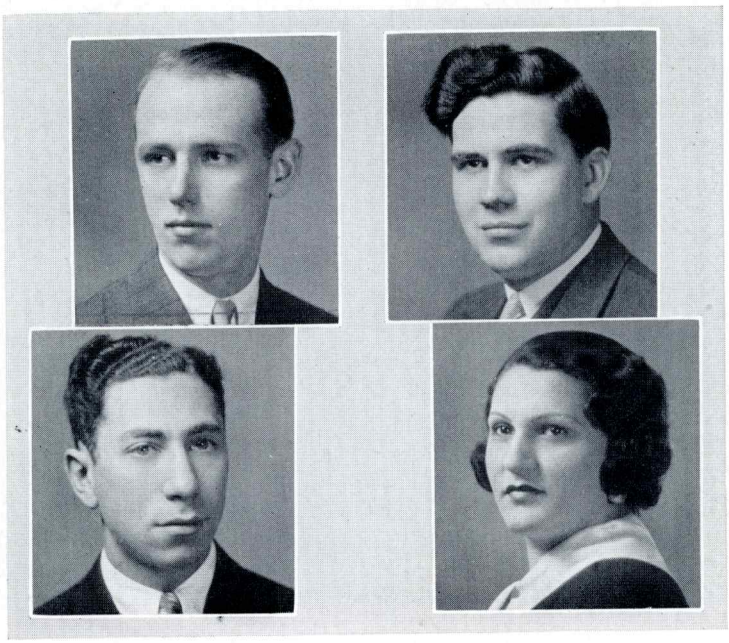
The new year found the Sophomore class burning the midnight oil, cussing roundly at electric circuits which simply would not work out, or falling asleep, only to dream of hollow cylinders rolling, one on the other, down a series of inclined planes.

The scientific knowledge of the Sophomores progressed at a rapid pace. By mid-January the odors which they were able to create in the Chemistry laboratories made the famed hydrogen sulphide of the Freshmen seem like the most delicate perfume in comparison. A week later their technique had become so perfected that they caused the life-long enmity of at least one member of the faculty.

And so time passed, taking with it prized moments of real enjoyment and fun, as well as hours of dreary study. Only one thing old Father Time left behind—memories of the Sophomore days. Those will live always in the minds of each student.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-six



CHEMICAL

President.....J. A. LINDNER
Vice-President.....J. CZARNECKI
Secretary.....F. EMIGHOLZ
Treasurer.....L. SCHRAMM

ELECTRICAL

President.....A. J. MUNN
Vice-President.....J. J. GILL
Secretary.....E. F. OAKWOOD
Treasurer.....J. J. SCANLON

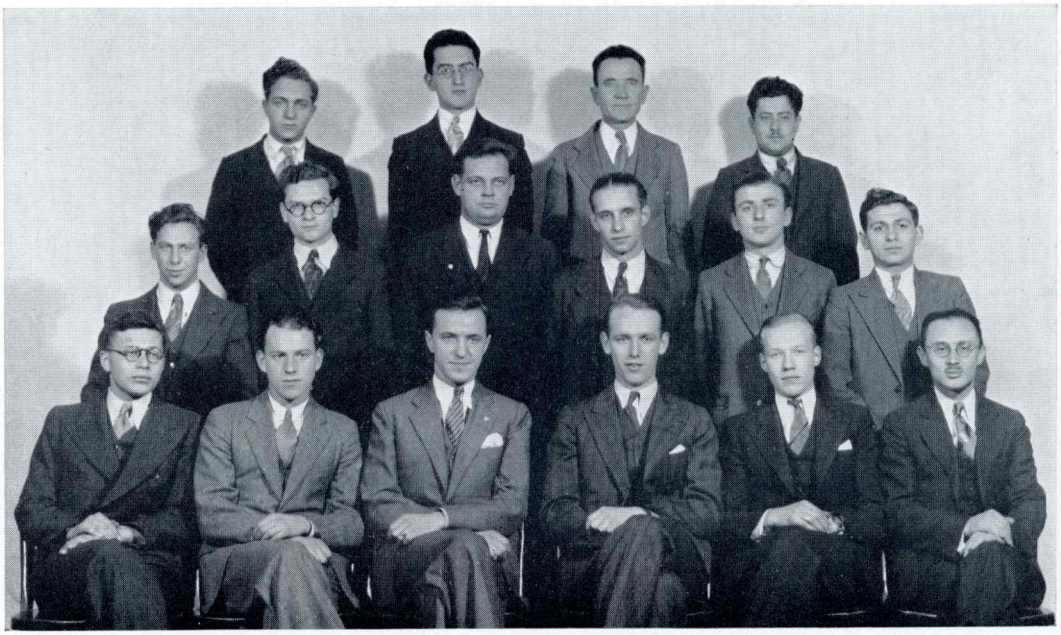
GENERAL SCIENCE

President.....C. S. BEGELMAN
Vice-President.....M. WESOWITZ
Secretary.....A. HERDMAN
Treasurer.....A. SEGALMAN

DESIGN

President.....R. LEIBOWITZ
Vice-President.....L. CICCARELLI
Secretary.....R. LEIBOWITZ
Treasurer.....L. CICCARELLI

The Classes of Nineteen Hundred Thirty-six



Chemical Engineering

UPON being asked how far a man could chase a dog into the woods, someone replied, "Only halfway. When the middle has been past, you are chasing him out." We wonder at what stage we are. The consensus of opinion seems to be that the dog is being chased out, but we may be wrong. We'll soon find out.

So much for our studies. It is perhaps a little more interesting to report that our class affair, held at the end of last semester, was a big success and everyone is looking forward to this now annual affair with anticipation. How can one forget it?

Studies are not everything, not even in Cooper Union. Some of the extra-curricular activities indulged in by members of our class are, The CABLE, The "Pioneer," sports and fraternities. Our former President, Mr. Bertil Peterson, has gone to Sweden, probably to chase the illustrious Greta Garbo, which he claims as an extra-curricular activity all his own. However, he hopes to be back in Cooper soon.

By far the most interesting way to write a history of this class would be to indulge in individual personalities and in incidents associated with them. However, since this would probably consume a volume, this account is closed and submitted as is.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-six

Electrical Engineering

THREE years will soon pass and then our real struggle will begin. As students of Electrical Engineering, we are still pursuing our chosen field, but in this annal, with more fervor, greater courage and a keener determination to succeed, than ever before. Doubtless, this is due to the fellowship and good will that prevails, in which every student has had a share in establishing.

Class leaders were elected early in the session and the schedule of activities was begun by the appointment of an entertainment committee for the annual jamboree. The competent committee, striving to surpass last year's social function, intends to produce a memorable affair, when new acquaintances will be formed and old friendships will be renewed and strengthened. Support of The CABLE, "Pioneer" and athletics was enthusiastically undertaken.

Let us, at this stage, express our gratitude to our able instructors who have painstakingly guided us thus far. Let us continue to carry on, inspired by the warm friendships and the pleasant contacts which we will in later years associate with Cooper Union.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-six

General Science

"GREAT oaks from little acorns grow," opened last year's CABLE write-up for the General Science Class of 1936. The little acorns have already started to grow but we hope all the oak is not part of our heads. At least the first two years have established a sturdy foundation for our tree of knowledge.

We began to sprout in the first few weeks of the school year when our excellent staff of officers were elected. As yet, nothing has been done, mainly because of the difficult schedule under which we are laboring. We have some plans, but they are still in the embryo stage. We hope they don't miscarry.

By next year the tree will have grown hardier and we hope to contribute a great deal towards the success of Cooper Union, scholastically, athletically and socially.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-six

Commercial Design

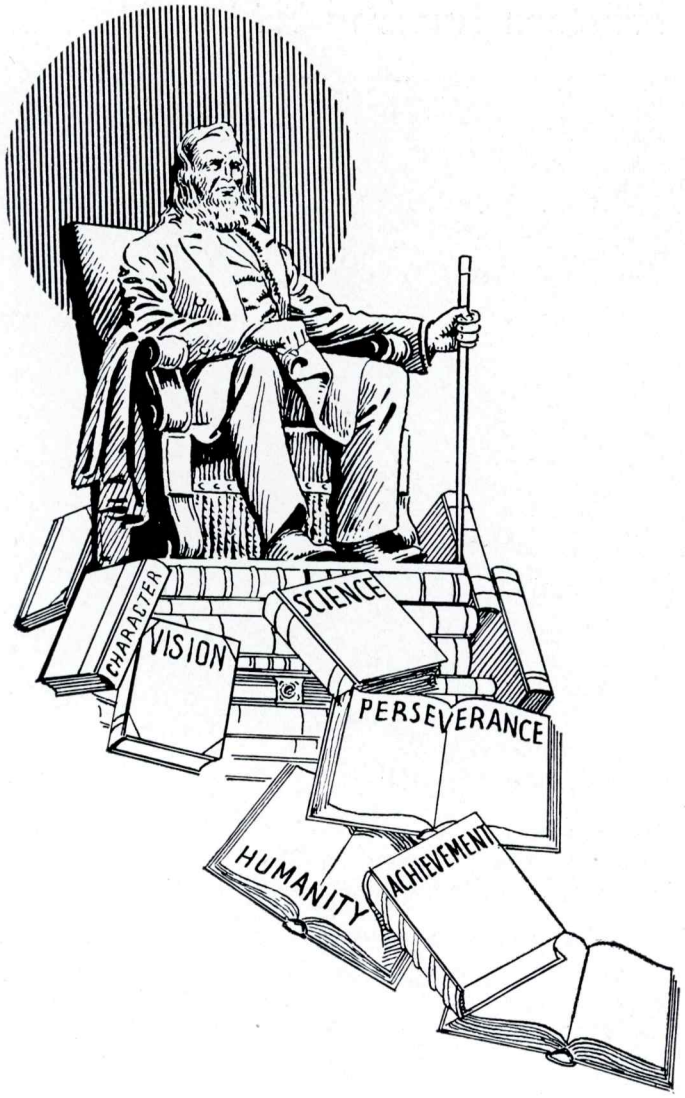
IN OCTOBER, 1931, Cooper Union opened its portals to about 150 eager students, who were hungry for the knowledge the Commercial Design class could give them. Messrs. Frederick Ehrlich and Herbert Croll were very enthusiastic when they discovered the kind of students they were going to deal with. Within a few weeks we had adapted ourselves to the routine of the school.

Having completed our first year we were determined, more than ever, to pursue Commercial Design. So in October, 1932, 81 students wended their way back to Cooper Union to once more take up the threads of knowledge. We came back to a changed Cooper Union. We had not only been advanced one year, but we had been elevated to the sixth floor.

Determined to acquire an active leader, the class held early elections which resulted in making Miss Rose Leibowitz their president and Miss Lucy Ciccarelli vice-president. These two versatile girls have worked untiringly to make life at Cooper Union pleasant, and to attain that much-needed school spirit. Thanks to the second year Commercial Design class that the very first Night Art School Dance was such a social and financial success. It was run to promote social activities among the students. The profits realized were sent to the school relief fund.

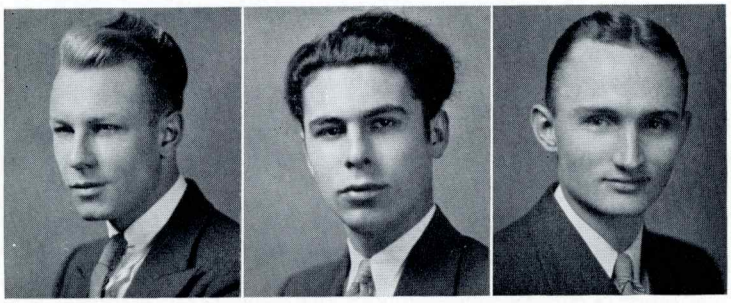
Without fear of contradiction we can say that we are one of the most active classes in the school. There are but few activities we do not engage in. Isolated, away up on the sixth floor has not stopped us from being loyal supporters of the CABLE and "Pioneer." Gaze upon us and smile.

THE HISTORIAN.



THE CLASSES

FRESHMEN



The Night Schools of Science and Arts

ARCHITECTURE

1936

President . . . . . J. D. Beinert
Vice-President . . . . . L. Montrose
Secretary . . . . . E. De La Motte
Treasurer . . . . . M. B. Stein

ENGINEERING

1938

President . . . . . V. S. Lindyberg
Vice-President . . . . . J. S. Caso
Secretary . . . . . J. O. Gumbrecht
Treasurer . . . . . L. Potash

INSTITUTE OF TECHNOLOGY

1936

President . . . . . H. I. Mitchell
Secretary . . . . . J. J. Le Maire
Vice-President . . . . . H. B. Mitchell
Treasurer . . . . . F. Harris

The Classes of Nineteen Hundred Thirty-six

Architecture

OFFICERS

President . . . . . J. D. BEINERT
Vice-President . . . . . L. MONTROSE
Secretary . . . . . E. DE LA MOTTE
Treasurer . . . . . M. B. STEIN

The Classes of Nineteen Hundred Thirty-six

Architecture

THE thoughts and preconceived ideas of planning and designing great and imposing structures during the first year of work were dissipated at an early date from the minds of the Class of 1936.

The brief and succinct lectures of our esteemed Supervisor, Edward A. Miller, combined with the able assistance of the instructors whose constructive criticisms and full knowledge have afforded the class a clearer view of the complexities of Architecture. It is now thoroughly understood by the class that much knowledge must pass under our mental bridge and much hard work be done before we can call ourselves Architects.

The class of 1936 wishes to express its gratitude to Mr. Miller and the instructors for the tolerance, patience and understanding which they have shown toward us. We are sure that the quality of our work and our effort to absorb knowledge has met with their approbation.

The officers thank the class for the honor bestowed upon them and hope that their work has met with the approval of their classmates.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-six

Institute of Technology

SADDENED and dejected by the labors of our first year at old C. U., the coming of Commencement finds us a crew much transformed from the blithe and frolicsome lads who ran, whooping and laughing, through our halls last October. The enormity of successfully completing the four-year course in the allotted time is weighing on us like a pall of doom, black and dank, and redolent with the sighs and wails of our departed comrades. But still we struggle on. The Sophs and Juniors rally 'round to encourage us with dire tales of Electrical Measurements and Physical Chemistry, thereby filling even further our cup of woe. But cheer up, lads, the worst is yet to come. Those spring finals regularly eliminate forty percent of the class, and there seems to be no good reason why we should depart from the traditions of our predecessors.

But don't let our gloomy meditations deceive you. It is not really as bad as we may have led you to believe, and the merry moments (chalk fights, eraser duels, etc.) have come thick and fast. The terrific carnage of classroom brawls has enlivened many otherwise dull hours, amusing even one so sophisticated as

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-eight

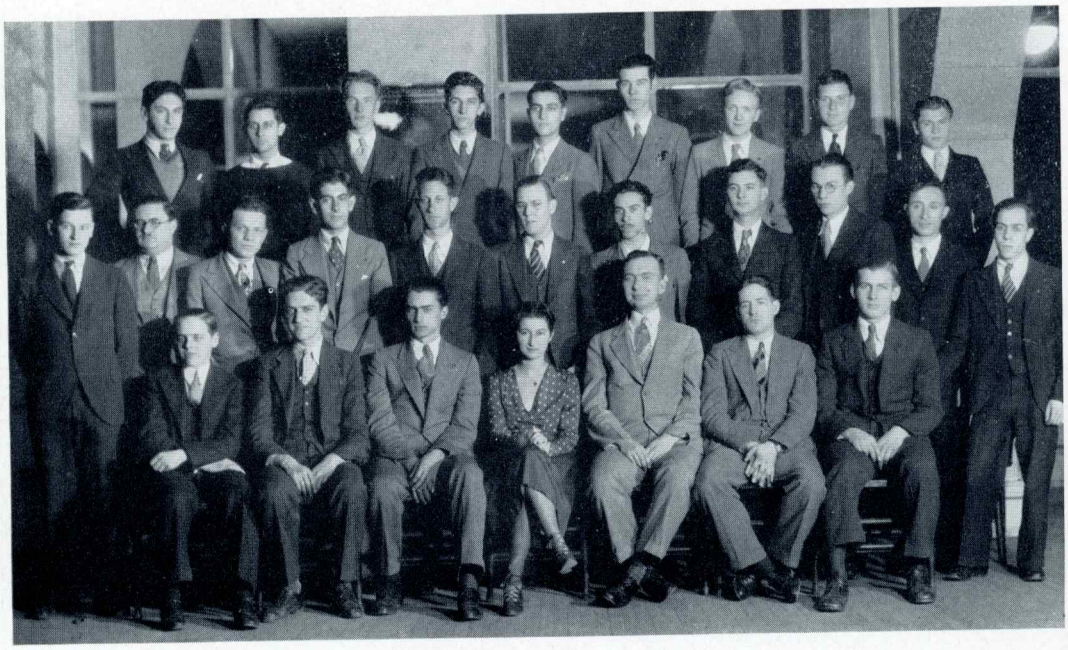
SECTIONS ONE AND TWO

Night Engineering School

OFFICERS

President.....V. S. LINDYBERG
Vice-president.....J. S. CASO
Secretary.....J. O. GUMBRECHT
Treasurer.....L. POTASH

The Classes of Nineteen Hundred Thirty-eight



SECTIONS THREE AND FOUR

Night Engineering School

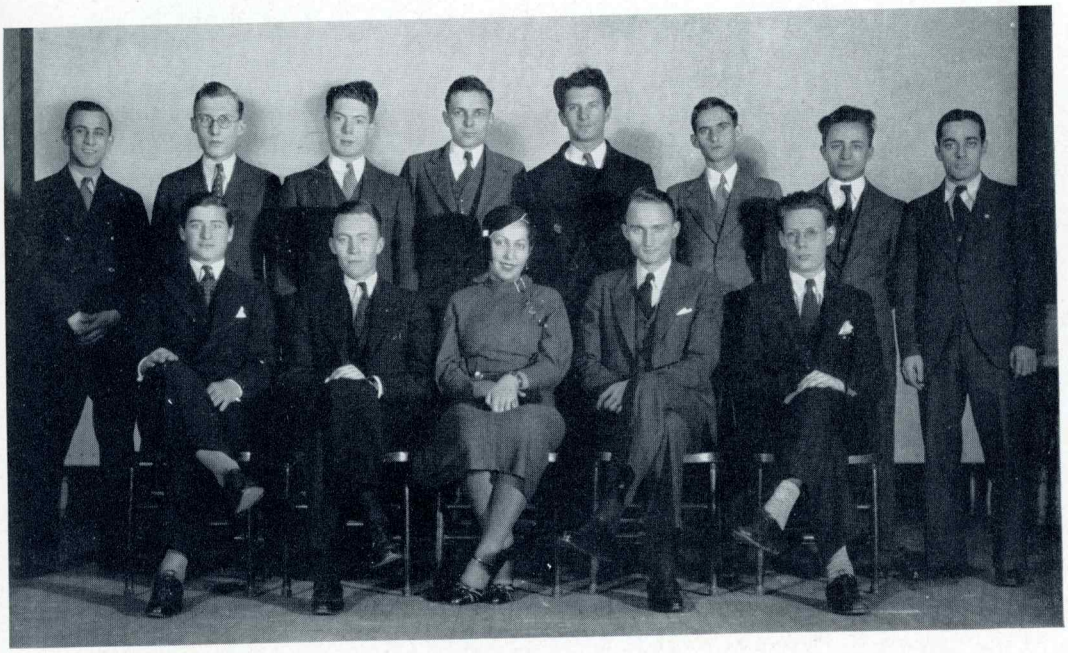
THE newest and largest ship of The Cooper Union Merchant Marine (The Freshman class of the night engineering school) was launched early in the fall of 1932. The crew of two hundred were making their maiden voyage, displaying a buoyant spirit and enthusiasm which remained until the directors of the company (the instructors) decided the passengers should be kept working.

As the work piled up, a chaotic state was reached wherein the boat was in a fog. Finally, from this chaos evolved an orderly and efficient routine. However, this routine soon grew monotonous. It was a repetition of the old story, "All work and no play makes Jack a dull boy," until at last the monotony was broken by the extra-curricular activities of The Cooper Union.

The CABLE, the "Pioneer," the Athletic Organization, Professional and Social Societies were offered to us. Many freshmen assisted the editorial and business staffs of the "Pioneer," some were employed to secure subscriptions for the CABLE, others worked for the interests of the Athletic Organization and Societies.

THE HISTORIAN.

The Classes of Nineteen Hundred Thirty-eight



SECTIONS FIVE AND SIX

Night Engineering School

NEXT in the chronological order of the ship's log comes the crew's organization. A Captain (President) was the first officer elected and for this post Mr. V. S. Lindyberg was chosen. His First Mate (Vice-President), Mr. J. S. Caso, was next elected. For the position of Purser (Treasurer) Mr. L. Potash was picked, and to keep the vessel's records, Mr. J. O. Gumbrecht was elected as Keeper of the Log (Secretary). The other delegates rounded out the officers' staff occupying positions of responsibility as petty officers.

The officers and crew stand ready at all times to cooperate with the crews of other vessels of The Cooper organization and faithfully promise to uphold the traditional excellent service started by older ships.

Cooper Union, we await your call.

THE HISTORIAN.

SECTIONS SEVEN AND EIGHT

Night Engineering School

PERSONALITIES

That dark-skinned, broker-Romeo of Section 6 has been seen very much in the company of a certain young charmer in the same section. Is it coincidence or—? If he paid more attention to angles instead of curves he might make higher marks in Trig. Don't blush, Sam.

The fourth floor seems to be a favorite trysting place for a certain Frosh and one of the few women in the engineering department. Why not go in for higher art, Joe. Try the fifth floor. The experimental labs are there.

Hats off to A. Byron for making Pi Sigma in his Frosh year. Good work, Abe. But please stop writing poetry. Leave that to the love-sick so-and-so, whose eyes are ever turned to Hartford. Light a Murad, Gil.

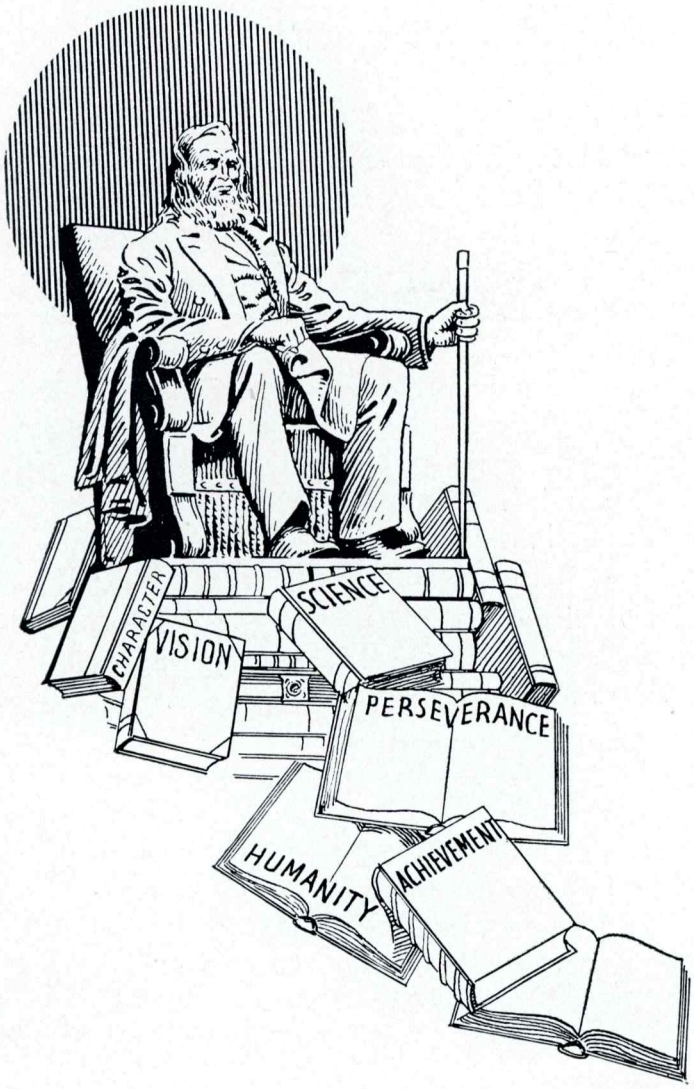
Who'd have thought that lowly Frosh would cop three medals in the track meet? More power to you, Weipert (or should it be Whippet).

We'd like to know the address and phone number of that little blonde who receives that nightly phone call from our earnest secretary. Something tells me John's only interest is not Math.

Why does that stude in Section 3 persist in telling punk puns in drawing class.

We wonder at H. H.'s demonstration of patience while waiting in hallways until 10 o'clock when he leaves Chem. Lab at 9:15. Could it be possible that there is a feminine influence? Oh, well. Just one HAARty laugh after another.

Well you Frosh may think you've had a tough time of it. Wait until next year, then you'll Sophomore. (Suffermore, get it.)



THE ACTIVITIES

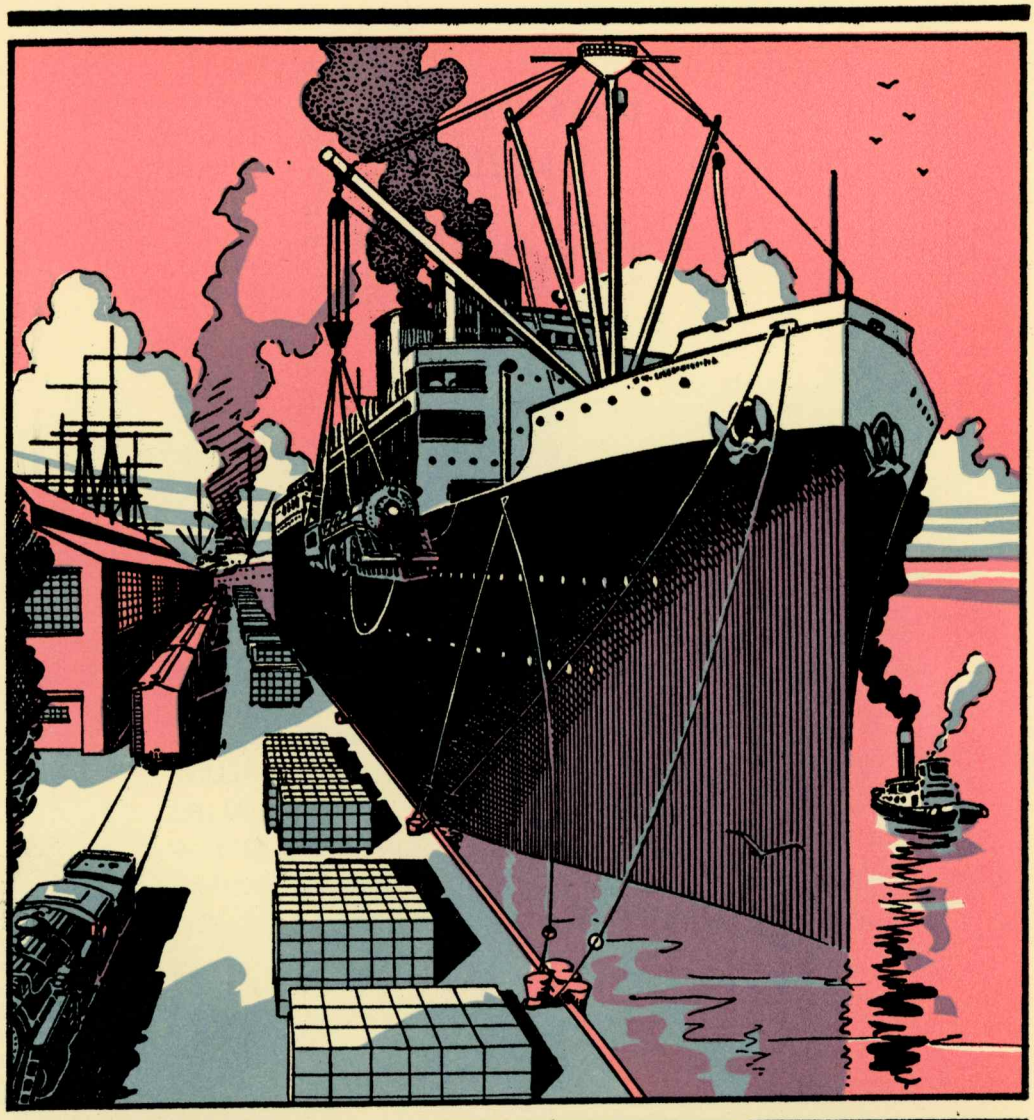
MECHANICAL ENGINEERING

LONG before the written records of History, man's close acquaintance with the elemental forces of Nature, in wind and moving stream, gave rise to crude applications of Power in the simple essential operations of daily life, such as the grinding of corn and the raising of water. Later, the necessities of the hunt and of human warfare developed man's skill and ingenuity in the production of weapons of destruction and accoutrements for defense. Still later, the crude making-processes in producing the essentials of every-day life led to the development of added skill and dexterity in the artisan, as well as to their perfection and propagation by the Guilds of the Middle Ages.

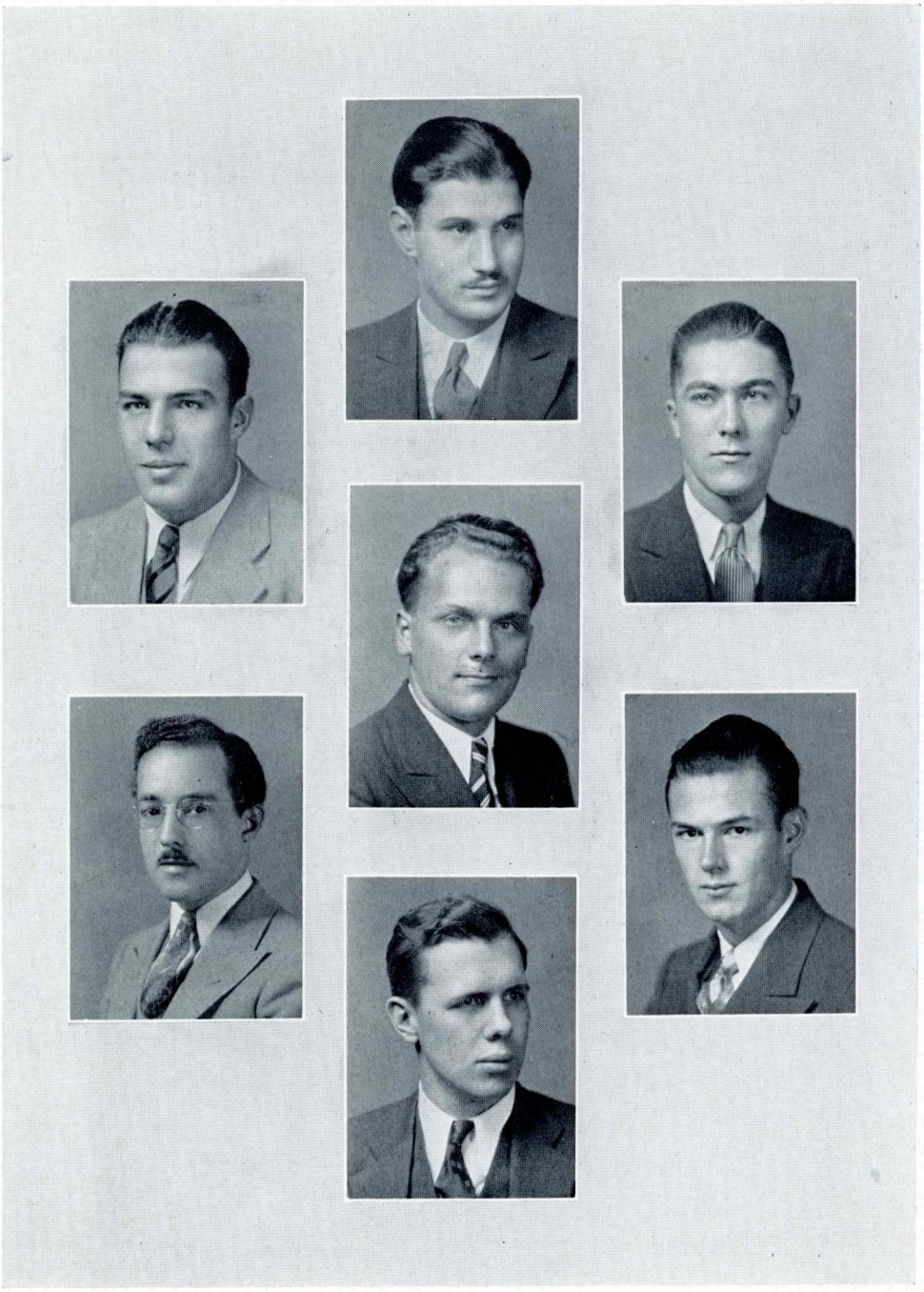
But all of this was the work of the craftsman and artisan and not of the Engineer. Mechanical Engineering was not born until the close of the 18th Century, when from necessity, to meet the needs of a population rapidly increasing, there arose those improvements in machines for the spinning of cotton and weaving of cloth which led in turn to the development of the steam engine. From this point, mechanical progress began to increase almost in geometrical progression! Machines replacing hand labor, and prime movers to drive them, appeared in ever-increasing number, assisted in their production by the applications of the rapidly growing sciences.

Thus was developed our present industrial era, in which the Mechanical Engineer economically functions in full cooperation with his fellow engineers of other fields, in such things as the production of Power from Nature's resources, in the manufacture of the many articles of every-day life at a price within the reach of all, as well as in every phase of transportation—whether for commerce or for pleasure.

These and many other services contributing to the conveniences and comforts of life are all made possible by Mechanical Engineering.



MECHANICAL



The Cable
1933

EDITORIAL STAFF

Editor-in-Chief
JACK ROBERT MILLER

Managing Editor
ARTHUR O. PLOETZ

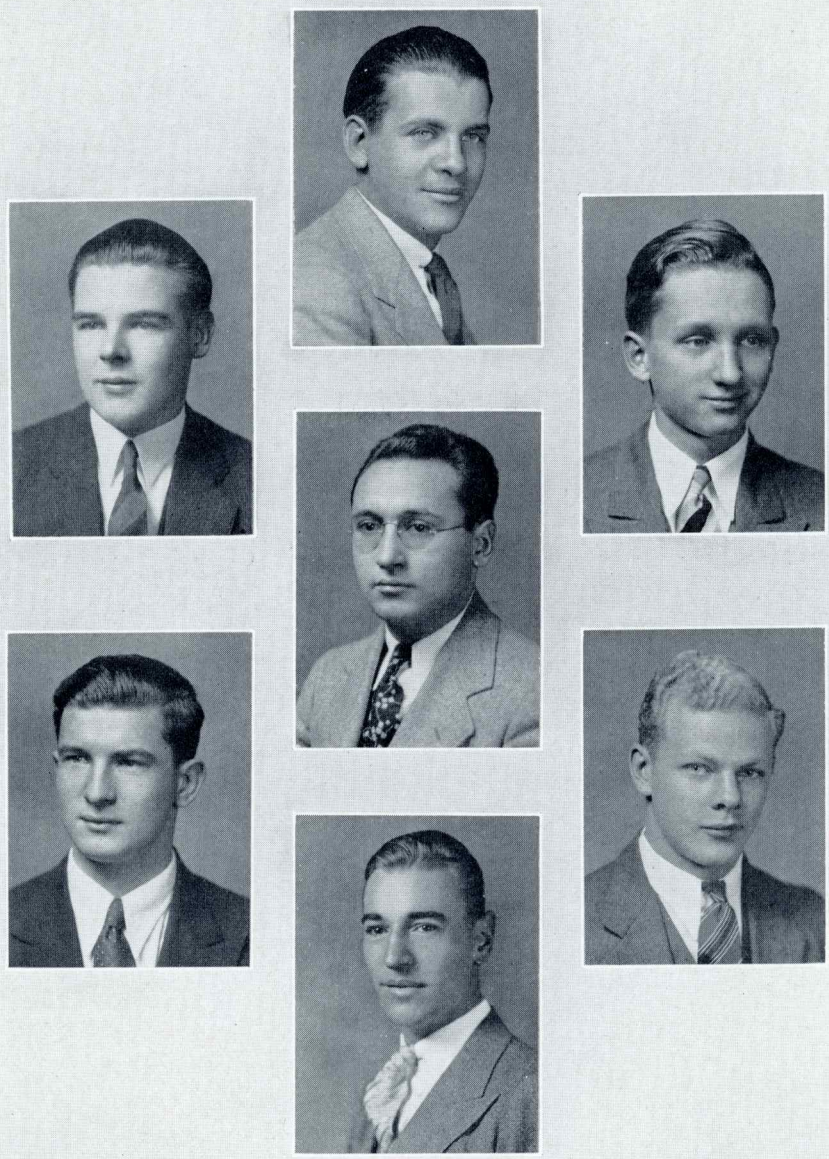
Copy Editor
RENE REIMANN

Architectural Editor
FRANK P. BROZ

Photo Editor
HERMAN L. SCHICK

Assistant Managing Editor
RAYMOND F. MORAN

Tech Editor
JOSEPH F. SKELLY



The Cable
1933

BUSINESS BOARD

Business Manager
STANISLAUS J. ZAWADOWICZ

Advertising Manager
WALTER ROWLAND

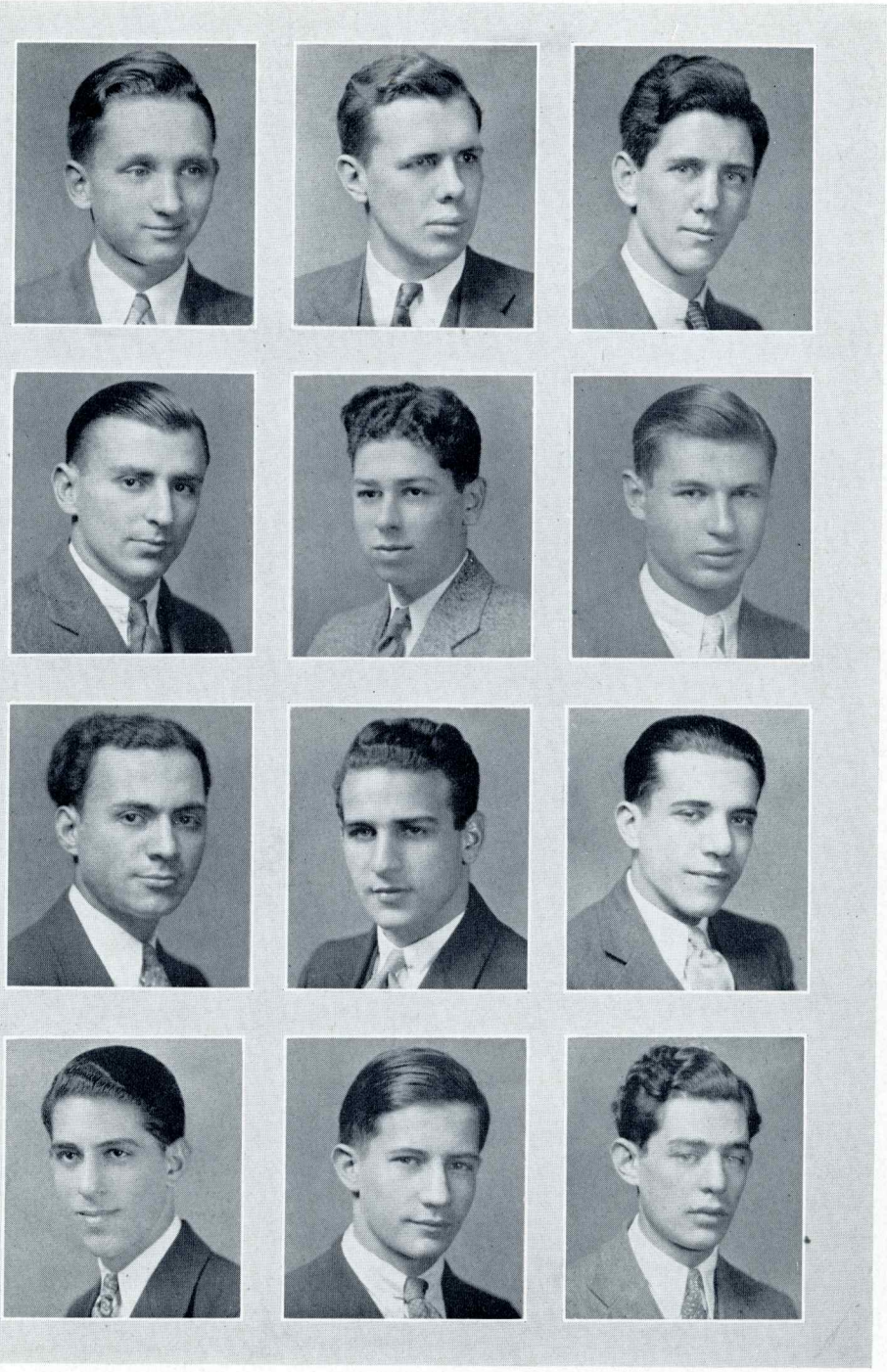
Circulation Manager
WILLIAM HARATONIK

Tech Circulation Manager
BENJAMIN OILL

Architectural Circulation Manager
NICHOLAS YANTSIN

Publicity Manager
JAMES CONSTABLE

Assistant Circulation Manager
J. H. PETERSEN



The Pioneer

THE COOPER WEEKLY

Editor-in-Chief
JOSEPH F. SKELLY

Business Manager
WILLIAM HARATONIK

Associate Editor
EUGENE A. KELLY

Managing Editor
WILLIAM W. RIGROD

Assistant Business Manager
DAVID TCATCH

Tech Circulation Manager
I. KUCHINSKY

College Editor
HENRY E. BRENNER

Production Manager
GEORGE LASK

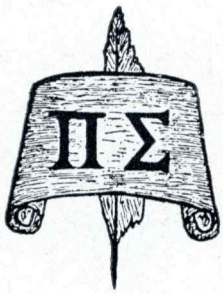
Assistant Production Manager
MATTHEW J. ROSENSTOCK

News Editor
HYMAN C. TURKIN

Advertising Manager
ELIAS RUBINSON

Copy Editor
MARTIN GREENSPAN

Pi Sigma



Chairman
JOSEPH F. SKELLY

Vice-Chairman
EUGENE A. KELLY

Secretary-Treasurer
HELEN HENSCHEL

Harold I. Albert
Myra Bessler
Henry E. Brenner
John T. Carroll
Jack B. DeCoste
A. Byron Greenberg
Martin Greenspan
William Haratonik
Helen Henschel
Felix A. Inslerman
Kaskel Kallman
Agnes Karlin
Eugene A. Kelly
I. Kuchinsky
Joseph A. Korany
George Lask
Harry D. LeVine
F. G. Muhlsteff
William W. Rigrod
Matthew J. Rosenstock
Gilbert K. Sanders
George V. Sikofsky
Joseph F. Skelly
Edward I. Sternlieb
Henry Strauss
George Cooke Terry
Hyman C. Turkin
David Tcatch
Ralph Torop
S. Q. Swertloff

The completion of the present college year will mark the most successful season enjoyed by Pi Sigma since its formation in 1928. The society, composed of former and present members of The Pioneer staff, has held an excellent social, a course in journalism, an exhibit in the Tech Peep Show, and many other activities. The close of the year will probably see a successful club dinner dance in accordance with the traditions of Pi Sigma.

The Alumni Federation of Cooper Union

OFFICERS

President	HENRY D. WILLIAMS;	'85
1st Vice-President	EDWARD A. MILLER;	'74
2nd Vice-President	W. H. WAGNER;	'03
3rd Vice-President	W. A. MILLER;	'03; '08
Secretary	ALFRED HILBERT;	'98, '01
Treasurer	ALFRED HILBERT;	'98, '01

American Society of Civil Engineers

STUDENT BRANCH

OFFICERS

Chairman.....J. STEWART

Vice-chairman.....W. C. STEVENS

Secretary.....M. W. GROVES

Treasurer.....A. A. WECHSLER

DURING the year, the officers of the Chapter, with the aid of Professor Foss, Faculty Adviser, arranged a series of lectures on subjects which are not ordinarily encountered in the school curriculum.

At the opening meeting, an address on Aluminum and Its Structural Uses was given by Mr. R. L. Williamson, of the Aluminum Company of America. The increasing use of Aluminum, both ornamental and structural, made this an interesting topic.

Many of the members of the Chapter attended the annual meeting of the parent Society, held in January, at the Engineering Societies Building, and went on the various inspection trips to Engineering works.

At the second meeting, Mr. Ole Singstad, Consulting Engineer of the Port of New York Authority, presented a talk on the construction of the Holland Tunnel, explaining the difficulties that arise in an undertaking of this nature, and how these obstacles are overcome.

Subsequent meetings included topics on Aerial Surveying, a motion picture on Welding, and other items of engineering interest.

A social affair for the members of the Chapter will be held in May.

American Institute of Chemical Engineers

STUDENT BRANCH

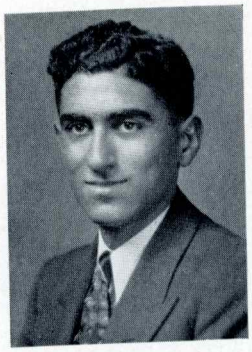
OFFICERS

Chairman.....M. SCHNEIDERMAN

Vice-Chairman.....R. TOROP

Secretary.....A. NERKEN

Treasurer.....J. F. SKELLY



THIS past year was marked by the separation of the Institute of Technology Chemical Engineers from their Night School associates with the resultant formation of a Day Branch of the A. I. Ch. E. A great improvement in the attendance at the meetings of the chapter has already been noticed, an improvement due to the early meeting time made possible by the new organization. As has been its custom in the past, the chapter awarded a pin of the organization to the student receiving the highest rating in Freshman Chemistry. The recipient of the award was Boris M. Gouguell.

American Institute of Electrical Engineers

STUDENT BRANCH

OFFICERS

Chairman ..... J. B. WATKINS

Vice-Chairman ..... H. J. DI GIOVANNI

Secretary ..... H. J. QUEEN

Treasurer ..... R. A. WYLIE

THIS year started auspiciously for the Cooper Union Branch of the A.I.E.E. with the adoption of its revised constitution on December 16, 1932. The organization has attempted to cooperate with M. A. O. in order to obtain individual instruction for student members. Coaches have been obtained to reveal the mysteries of Electrical Measurements, the Waterloo of the Sophomores.

Early in January, a most instructive and interesting lecture, illustrated by specially prepared slides, was delivered by Mr. W. S. Hill, of the General Electric Engineering department on "Electronics." Recently a visit to one of the large radio broadcasting studios taught all who attended "what made the wheels go round."

American Society of Mechanical Engineers

STUDENT BRANCH

OFFICERS

Chairman.....LESTER E. BAUSER

Vice-Chairman.....JOSEPH W. SVOBODA

Secretary.....FRANKLIN B. LESLIE

Treasurer.....JOHN H. PETERSEN

THE Student Branch of the A.S.M.E. has just completed its twelfth year under the kind and efficient guidance of Mr. Roemmele. The first meeting was held in November. Mr. Hartford, Assistant Secretary of the A.S.M.E., and Professor Church, of the Student Branch Committee, outlined the new Student Plan.

Student papers which were of interest were presented throughout the year by members.

Cooper Union was represented at the Annual A.S.M.E. Student Convention and has been actively represented in all Metropolitan District student affairs.

Cooper Union Chemical Society

OFFICERS

President.....W. LAROSA

Vice-President.....L. A. KENWORTHY

Secretary.....CARL BUSSOW

Treasurer.....L. C. GREENHAUS

THE Society was founded in 1893 by a small group of earnest and enthusiastic students of the chemistry course, for the purpose of extending their knowledge of the science by arranging for lectures by men qualified to speak on special subjects and by holding meetings at which members presented papers on their own work for general discussion. As time passed, the graduates kept up active work and the Society became a means for alumni and students of the last two years of the chemical courses to keep in touch with each other.

Membership is open to those interested in the science of chemistry, whether associated with Cooper Union or not, and active membership, including the privilege to vote and hold office, is reserved for graduates of the Chemistry Course or Course in Chemical Engineering, either of the Institute of Technology or the Night School of Engineering. Junior membership, including the right to vote but not to hold office, is open to students of the last two years of the chemical courses.

The Newman Club

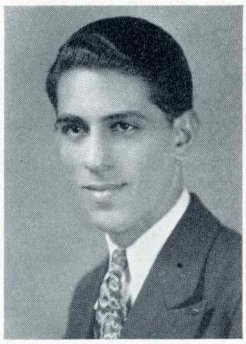
OFFICERS

President.....FRANCIS J. COSTELLO
Vice-President.....HOWARD C. SCHNEIDER
Secretary.....NANCY M. O'TOOLE
Treasurer.....HENRY J. QUEEN
Chaplain.....REV. JOHN J. CORLEY

THE Newman Club of Cooper Union is an organization of Catholic students from all the schools of the Union. It affords the student, with a background of Catholic training, a means of keeping in the spirit of the traditions of his fathers. It is especially essential to those students exposed to the deadening influence of the highly technical courses that are necessary in producing the high grade of engineer required by modern civilization. In these days of constant change and restlessness it becomes increasingly important to keep before his eyes some beacon to which he can refer with some assurance, saving him from an uncertainty that, under the strain of scholastic competition, may mean the difference between success and failure in his chosen work. Through its social activities, one forms the contacts that are conceded to be as great a benefit from a college education as the studies themselves. In this respect the Newman Club not only ties together the students of the various schools, art and engineering, of the Union, but also through its affiliation with the Federation of College Catholic Clubs brings together representative students from all the non-sectarian colleges in the country. From what better group could a student pick his associates for his travel through life? From what body of youth could he glean a clearer idea on subjects that will undoubtedly shape the lives and destinies of his generation, now on the threshold of assuming command of civilization?

Mathematical Society

NIGHT SCHOOL OF ENGINEERING



OFFICERS

President.....ELIAS A. RUBINSON

Vice-President.....WILLIAM SELLS

Secretary.....DAVID TCATCH

Treasurer.....DAVID TCATCH

SINCE its inception, six years ago, the Mathematical Society of the Night School of Engineering has grown to be a great factor in the extra-curricular activities of the Cooper Union. Under the competent leadership of the present administration and with the excellent advice of our faculty adviser, Mr. Tanzola, the membership has tripled in the past year.

The Society endeavors to present the study of mathematics in a new and interesting manner and evidently, by the enthusiastic turnouts to the meetings, is succeeding.

We turn the administration over to the new staff of officers with fervent wish that they carry on the high standard of excellence set in this and previous years.

Mathematical Society

INSTITUTE OF TECHNOLOGY

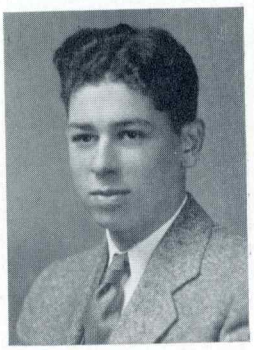
OFFICERS

President.....WILLIAM W. RIGROD

Vice-President.....L. GREEN

Secretary.....JOSEPH SKELLY

Treasurer.....JOSEPH WATKINS



THE Math Club this year carried forward with new vigor the program of activities which have always marked it as one of the most active societies in the Institute of Technology. This past year it was the aim of the club to make its meetings of interest to all students, whether mathematical experts or not. To this end many lectures of a practical rather than a theoretical nature were included in the schedule, together with talks of a decidedly abstruse nature.

Some of the topics discussed were "The Nature of Complex Numbers," by Prof. W. B. Fite, Columbia University; "Theory and Use of the Slide Rule," by H. J. DiGiovanni; "Trigonometry and Surveying," by J. B. Lyttle; "Theory of Squares," by F. Shapiro, and "Mathematical Fallacies," by T. W. Reynolds.

Musical Organizations

DANCE ORCHESTRA CONCERT ORCHESTRA .. GLEE CLUB

MUSICAL COUNCIL

President.....LESTER E. BAUSER
Vice-President.....HENRY J. QUEEN
Secretary.....HOWARD SCHNEIDER
Treasurer.....EDWARD GOLUB
Business Manager.....OSCAR BESSIO

WITH the close of the past school year the Cooper Union Musical Organizations have brought their third season to a successful climax. This season has seen many new ventures introduced, finally establishing the Musical Organizations as one of the most progressive groups in Cooper Union. At the beginning of the year the organization of the Dance Orchestra was attempted and the demand for it found to exist. Thus, at present, the Musical Organizations offer student participation in all leading musical activities.

One of the radical departures brought about was the concentration of governing powers in a Musical Council consisting of two representatives from each group; a logical organization plan was drawn up. Individual talent was encouraged with several successful original compositions being written by the members. To further the educational program of the Organizations a course in Musical Appreciation was instituted which met with great approval. In February the anniversary of the Foundation of the Musical Organizations was celebrated with an entertainment presented with gratifying results.

Night Art School Students Council

President
PHILIP S. ANTHES

Vice-President
JOHN P. NEVINS

Second Vice-President
JOSEPH STEINBERG

Secretary
MICHAEL J. CAROLLO

Financial Secretary
ROSE LEIBOWITZ

Treasurer
EDWIN McGRATH

Assistant Treasurer
ANGELO De BENEDETTO

John F. Lorenc
Joseph J. Fitzgerald
Louis Dodell
Frank W. Brown
Edward Kroeger
Michael Lisinicehia
Frank J. Smith
Bernhardt R. Smith
John D. Beinert
Louis Montrose
Ernest Dela Motte
Gertrude Zerman
Edward J. Curtin
Frank J. Salmieri
Irving Brand

Joseph Pearlman
Lucy Ciccarelli
Peter J. McQuade
Ray H. Vogel
Louis Murray
Herman Gotewysner
Christy Dejerenis
Hyman Fleiss
Ernst Prehn
Don Adams
Edna Hayes
Peter Ostuni
Franklin Miller
Frank Broz
Nicholas Yantsin

Senior Hop

Classes of 1933

Pan Hellenic Hotel

March 18, 1933

Chairman
ERICH GRABER

Vice-Chairman
JOSEPH W. SVOBODA

Secretary
HARRY J. HORAN

Treasurer
HAROLD REINER

Daniel H. Beaton
Raffaele Foglia
Ernst C. Graber

Joseph A. Korany
Vincent S. Morano
Lawrence R. Oswald

Junior Promenade
Classes of 1934

LOUIS SHERRY'S

FEBRUARY 18, 1933

Chairman
M. E. ROTH

Vice-Chairman
G. ROHLICH

Secretary
J. PETERSEN

Treasurer
M. LA FORTE

R. Reimann
P. Wield

R. Moran
J. Donato

D. Weisburg
I. Kopelman

The Towle Plan

GENERAL STUDENT AFFAIRS COMMITTEE

Chairman
PROF. HENRY C. ENDERS

Faculty Members
MR. CHRISTIAN C. WEAVER
MR. AUSTIN PURVES, JR.

Committee on Athletics

Chairman
PROF. FREDERICK W. MILLER

Faculty
PROF. LAWRENCE PEREZ
PROF. WILLIAM J. PICKETT

Committee on Publications

Chairman
PROF. HARRY W. REDDICK

Faculty
MR. HENRY B. HOPE
MR. HAROLD M. HEATLEY

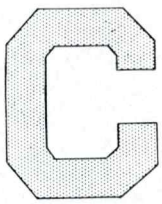
Committee on Student Societies

Chairman
PROF. ALBERT B. NEWMAN

Faculty

A.I.Ch.E. ..... PROF. J. COULL
A.I.E.E. ..... MR. A. T. B. FAIRBURN
A.S.C.E. ..... PROF. F. E. FOSS
A.S.M.E. ..... MR. HERBERT ROMMELE
Tech Math ..... MR. CHARLES W. LEHMAN
Night Math ..... MR. JOSEPH TANZOLA

Gold "C"
1933



SECOND AWARDS

Silver "C"

PHILIP S. ANTHES
ARTHUR O. PLOETZ

FIRST AWARDS

Gold "C"

A. BARRY CASULLI
JOHN J. FICKER
WILLIAM HARATONIK
EUGENE A. KELLY
JACK ROBERT MILLER
RAYMOND F. MORAN
WILLIAM REUSS
WALTER ROWLAND
RENE REIMANN
HERMAN SCHICK
JOSEPH F. SKELLY
NICHOLAS YANTSIN
STANLEY ZAWADOWICZ

Annual Dance

NIGHT SCHOOLS OF SCIENCE AND ART

HOTEL COMMODORE

APRIL 15, 1933

COMMITTEES

Chairman

PHILIP F. BRUECK

Business

ARTHUR O. PLOETZ, Chairman

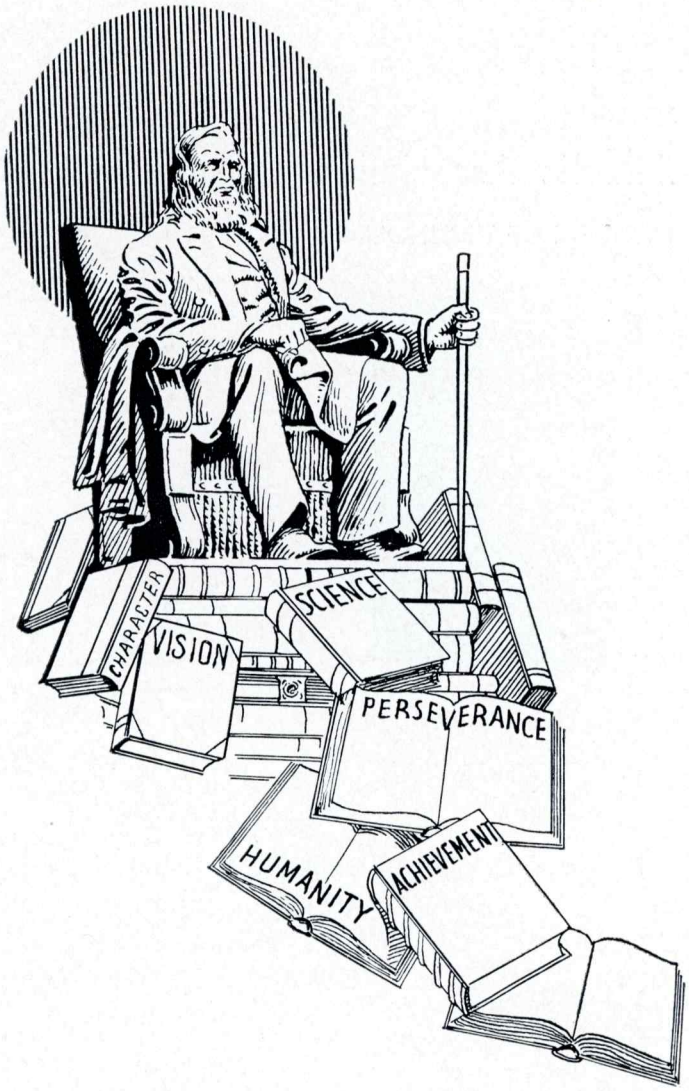
GEORGE F. DEISSROTH
EUGENE A. KELLY
ROSE LEIBOWITZ
JOHN F. LORENC
WILLIAM P. REUSS
JOSEPH STEINBERG

Entertainment

JOHN P. NEVINS, Chairman
ANGELO DE BENEDETTO
LOUIS PODELL
JEROME ROHLICH

Publicity

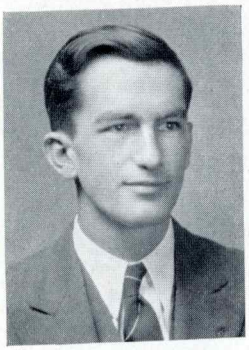
PETER J. McQUADE, Chairman
PHILIP S. ANTHES
LUCY CICCARELLI
RAYMOND KILMER


CHARACTER
VISION
SCIENCE
PERSEVERANCE
HUMANITY
ACHIEVEMENT

ATHLETICS

Athletic Association

INSTITUTE OF TECHNOLOGY



OFFICERS

President
EDWARD HINTON

Vice-President
HARRY A. KLUG

Secretary
RALPH TOROP

Treasurer
EDWARD STERNLIEB

TEAM MANAGERS

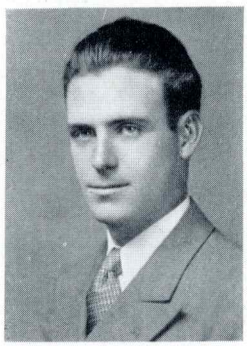
Baseball
CHARLES J. LAGRECO

Basketball
EDWARD HINTON

Rifle
JOHN S. STEPSIS

Athletic Organization

NIGHT SCHOOL OF SCIENCE AND ART



OFFICERS

President
JOHN T. CARROLL

Vice-President
ARTHUR O. PLOETZ

Secretary
WILLIAM HARATONIK

Treasurer
WALTER C. KLUZ

TEAM MANAGERS

Track
EMMET G. HAPP

Football
ALFRED A. ANASTASIO

Basketball
FRANK C. BALACEK

Tennis
EUGENE A. KELLY

Swimming
FRANK SMITH

Basketball Team

NIGHT SCHOOL OF SCIENCE AND ART

Captain
JULIUS FRIEDMAN

Manager
FRANK BALACEK

THE return of Coach George Faltings to the halls of Cooper Union to coach the basketball squad also marked the return of the old fighting Cooper spirit. The season was opened at the General Theological Seminary gymnasium on November 25, 1932. Here, in spite of the absence of De Maio, the Cooper basketeers made the ministers their first victims, beating them 28 to 24.

On December 3 the squad migrated to Villanova, Pa., where they met defeat at the hands of a snappy Villanova quintet. Early in the game Sklar received an injury which kept him off the court for the next few weeks. "Chick" Friedman led the Cooper scoring with 6 points.

A week later found the wearers of the Maroon and Gold on the St. Stephen's court, after plowing all the way from New York to Anadale through snow and sleet. The Cooperites were defeated by a score of 48 to 25.

The Stevens Tech game found De Maio back in the line-up, but Balacek out sick and Sklar still on the injured list. Cooper finished at the short end of a 33 to 13 score.

At La Salle, in Philadelphia, our basketeers did little better, scoring 16 points against 33.

After a long rest the Maroon and Gold met defeat at Rider College, but a week later brought back the bacon from Staten Island, where they defeated Wagner 38 to 34. This game left the spectators hoarse and woozy, for the lead changed no less than four times and at as many instances the score was deadlocked.

The St. Francis game proved to be one of the finest exhibitions that Cooperites put forth. Although losing 35 to 29, they worried their opponents up to the closing whistle and with a few breaks in their favor might have won the contest.

At Albany our basketeers met another reverse—losing 36 to 23.

Lincoln's Birthday found the Maroon and Gold at the General Theological Seminary again, where our court demons eked out a 20 to 16 victory.

Basketball Team

INSTITUTE OF TECHNOLOGY

Captain ..... E. RYAN

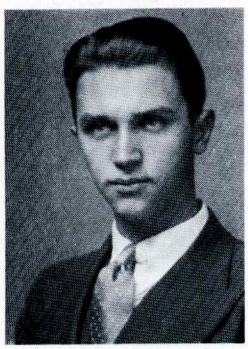
Manager ..... E. HINTON

THE fall of 1932 offered a dim outlook for a successful basketball season. Coach Laub had lost four varsity men, including Captain Abe Zeitz and Shemin, both strong supports in last year's quintet. In spite of an acute shortage of material a team was soon rounded into shape consisting of Captain Ed Ryan, Ed Sternlieb, both veterans, and "Stretch" Mofsenson, "Mike" Mikulka, and Lipschitz, LaGreco, Slaminovitz, Axelrod and Giovannello constituted the spares.

The season opened with Pratt Institute of Brooklyn, whose "one man team" proved too effective for the defense of the Tech five. The next game, with Panzer College, showed a marked improvement in the team although just failing to overcome an early lead against them. Polytechnic Institute nosed out the Techmen by ten points, indicating the handicap in size imposed on our squad. Webb Institute was easily defeated with Captain Ryan and Lipschitz sharing in scoring honors. Dana College of Newark shaded our boys with a late scoring rally after they had tagged behind our boys from the start. Savage proved too powerful for our quintet, as did Upsala, Long Island U., Princeton U., and Brooklyn College.

With determination the Techmen entered the game with Hartwick College and played a sterling brand of basketball showing fine form and aggressiveness to roll up a final margin of 13 points. LaGreco and Sternlieb shared scoring honors with 13 and 12 points respectively. The night five reversed the decision this season in the Annual Day-Night tilt for the first time in three years. The Night five flashed a powerful offense to roll up a strong advantage which the Day quintet could not overcome.

The Rifle Club



President . . . . . W. C. STEVENS

Vice-President . . . . . D. SOLINS

Secretary-Treasurer . . . . . A. DE BIASE

Team Manager . . . . . J. S. STEPSIS

ENTERING upon its seventh year of existence, the Rifle Club shows all the signs of a long and worth-while life. The club serves mainly as a squad from which the members of the Rifle Team are picked.

Under the able management of John Stepsis, the team is living up to its high standards. Matches have been arranged with members of the National Rifle Association in the Metropolitan League.

Although several matches have been lost, it does not discourage or dishearten the members of the team but makes them try all the harder. This is well brought out by the general increase in the scores from week to week.

Among the colleges with whom matches have been arranged are Stevens, St. John's, Brooklyn College, Brooklyn Poly (day and evening), N. Y. U. and C. C. N. Y.

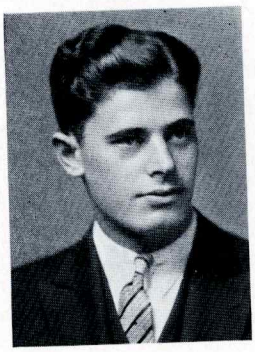
Track Team

Captain

RALPH SANDERS

Manager

EMMET G. HAPP



1931 - 32

THE 1931-32 season of the Cooper Union Track Team was brought to a close with a dinner for the members, at which eleven men were awarded letters. The track squad was nosed out by Brooklyn College and Savage Normal, thereby losing two of the six meets scheduled. These defeats were hard blows to the team as it broke up the string of victories made by the Track Team in the several years of its existence.

"Bob" Ploetz was high scorer for the year, with Captain George O'Brien running a close second. Nagoshiner and Kovacsevics helped swell the scores considerably for Cooper. Aruk, Moran, Petersen, Politi and Wesolowski showed marked improvement during the season and are expected to give the older men in the team a stiff battle in the coming year.

The Relay Team, consisting of O'Brien, Kovacsevics, Aruk and Wesolowski, fighting every foot of the way, placed third in the New Jersey State Games held at Kearney, N. J.

1932 - 33

The Annual Freshmen Field Day held in December, 1932, started the 1932-33 season. The Committee elected at the Track Team dinner, consisting of George O'Brien, chairman; Emmet Happ, John Carroll and George Nagoshiner, were in a great measure responsible for making the Field Day a success.

The remarkable ability shown by the Freshmen in the short distances will undoubtedly aid Cooper's Team, as this has been its weakest point. If the high marks set by the Freshmen in the field events are any criterion, "Bob" Ploetz's supremacy in that direction will be threatened this spring.

Tennis Team

Captain

JAMES CHRISTENSEN

Manager

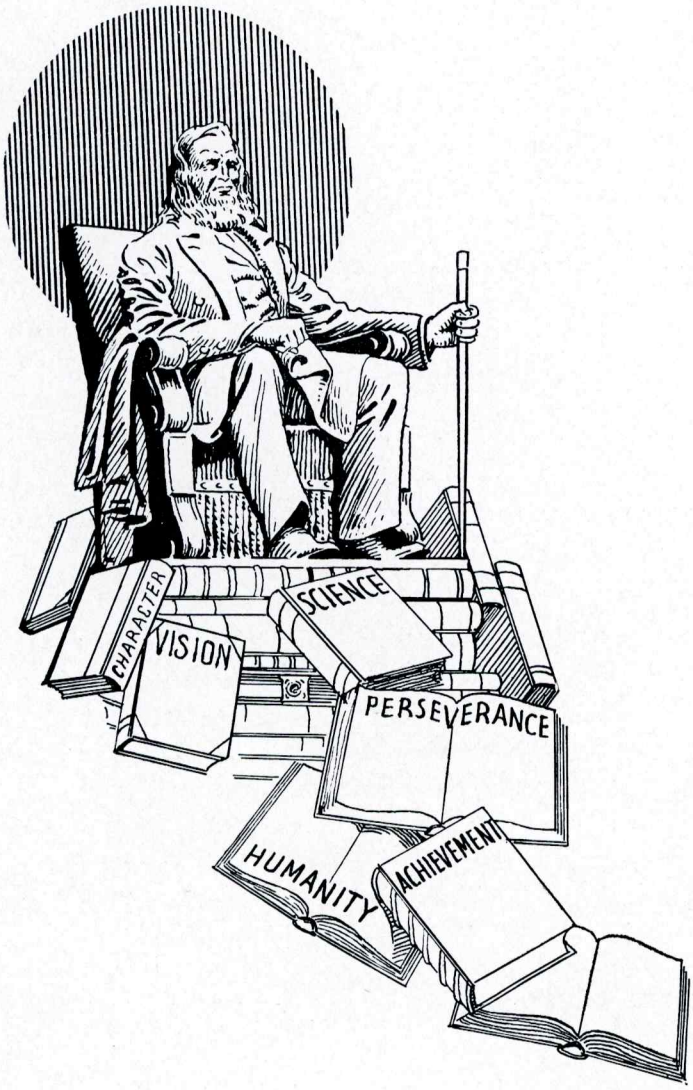
EUGENE KELLY

AT the opening of the tennis season of 1932, prospects for a successful campaign were promising. From the preceding season six veterans remained as the nucleus for a strong team and an attractive schedule of seven matches had been arranged.

Old Man Weather intervened and decreed that the schedule should consist of five matches, rain compelling the cancellation of the contests with Moravian and Rider Colleges. By dint of hard playing, four of the matches were won, one being lost.

Starting with a rush, Cooper defeated Brooklyn College (Night), Montclair State Teachers College and Upsala College in rapid succession. Seth Low took a close decision from the Maroon and Gold, 4 to 3, for the only defeat of the season. In the final match Cooper defeated Brooklyn College.

The season was featured by the stellar playing of Captain Jim Christensen. Jim won all his single matches during the season. Had he not been ill when Cooper tackled Seth Low, the team's record might have been unblemished. Rabourdin, Kowaloff, Kelly and Kosolapoff, veterans of 1931, performed notably and were ably aided by Scanlon and Muhlsteff, two Freshmen of whom much is expected in the future.

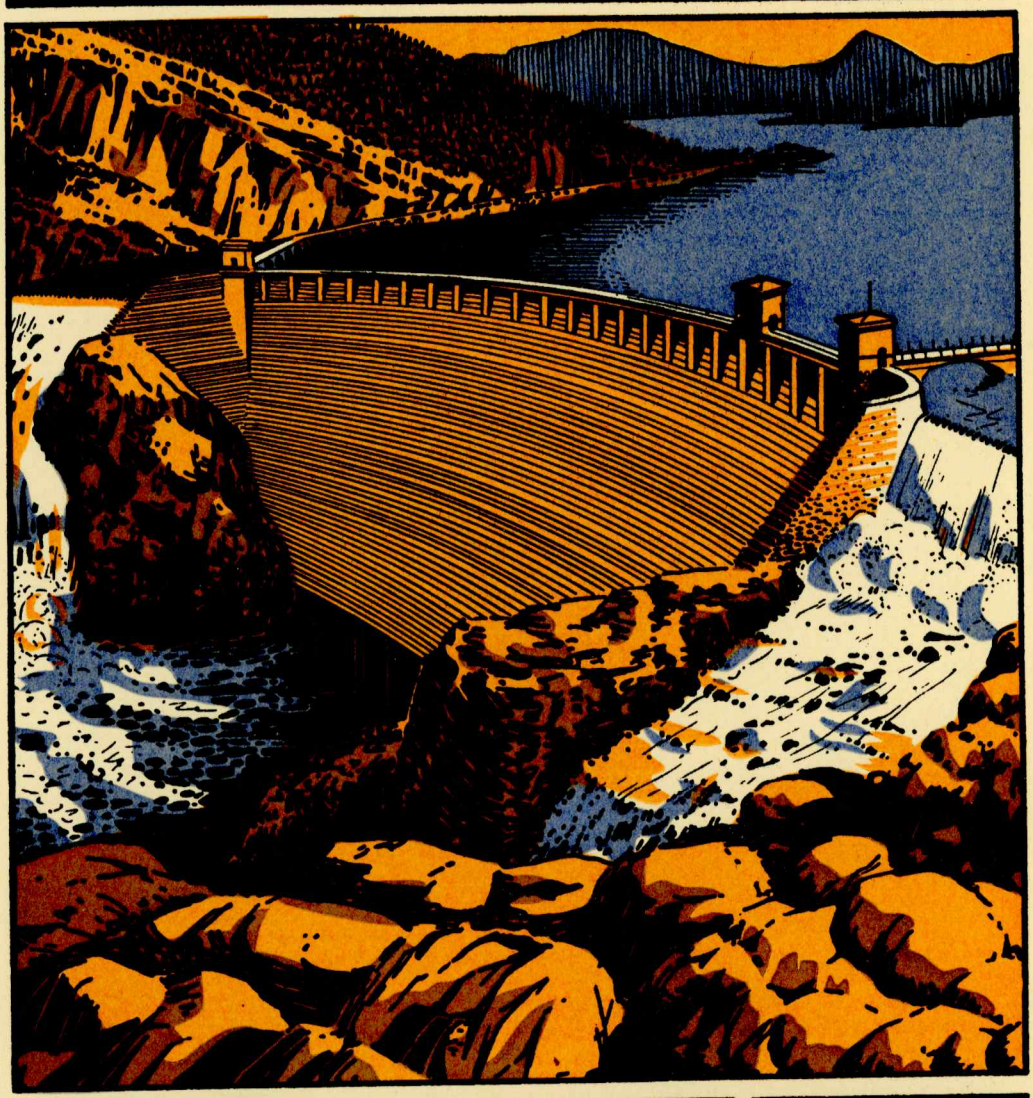


FRATERNITIES

CIVIL ENGINEERING

CIVIL ENGINEERING as developed by the Romans and earlier peoples met the necessities of their times which were very often of a military character. Their achievements as exemplified by their aqueducts, military roads and bridges were truly remarkable. Nevertheless, the art of Civil Engineering has developed greatly since the Roman era and the humanizing influences which have been leavening the lump of humanity, during the intervening twenty centuries, have had their full effect on this development. Our major surveying efforts today are not put forth in the interest of conquest but to aid commerce, industry and science. Great roads are built, and bridges which would astonish the Romans are established across rivers and chasms. These, however, do not transport conquering armies but armies of peaceful citizens bent on profit and pleasure. Great dams impound lakes of water and aqueducts carry it miles underground to our great cities as an aid to the comfort and health of their citizens rather than to relieve them in time of siege. The building of sewage disposal systems has helped to eradicate disease plagues and to create improved health conditions without which our great cities would be impossible.

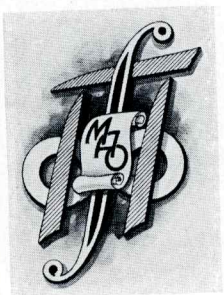
May the young men who are now dedicating themselves to a life of service in the Civil Engineering profession attain their full measure of achievement compared with those who have gone before and may the recognition and rewards which they receive for this achievement be multiplied.



CIVIL

Mu Alpha Omicron Honorary Fraternity

INSTITUTE OF TECHNOLOGY

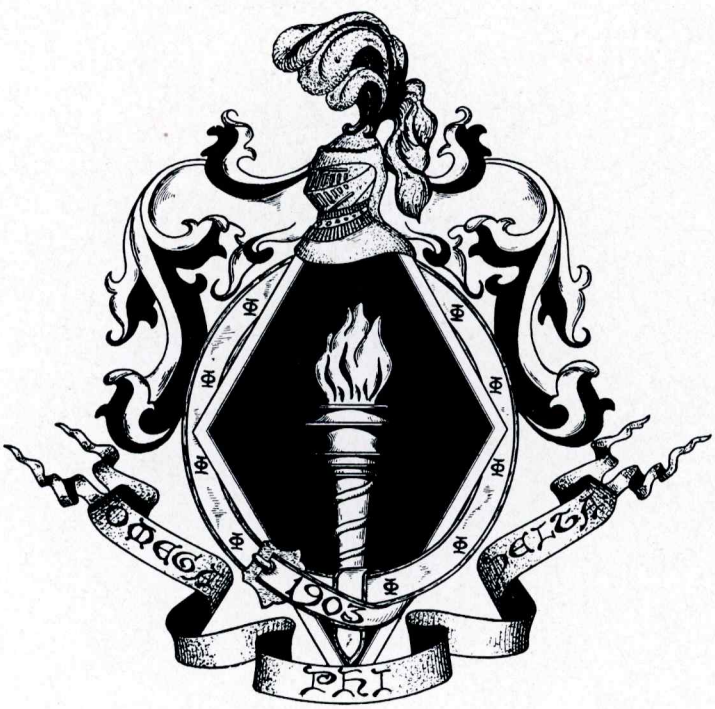


FRATRES IN FACULTATE

James P. O'Donnell
Olaf G. Gerdin
Frederick W. Miller
Emanuel A. Salma
Herman Stemper
Norman L. Towle
William Vopat

FRATRES IN COLLEGIO

Sol S. Cooper
John Ernest
Martin Greenspan
Carl H. Kroop
Sydney Lawless
William W. Rigrod


PHI
1903

Omega Delta Phi Fraternity

Founded in Cooper Union in 1903.

CHAPTERS

ALPHA.....Cooper Union Night School
BETA.....Brooklyn Polytechnic Institute
GAMMA.....New York University
DELTA.....Cooper Union Institute of Technology

ALPHA CHAPTER

FRATRES IN FACULTATE

Francis P. Carey
Prof. Henry C. Enders
Prof. Karl Hauptman
Lester A. Kenworthy
Otto Puller
C. George Kruger
Raymond Kunz

FRATRES IN COLLEGIO

George Ford Ackert
Alfred A. Anastasio
James G. Carlin
Arthur G. Coffin
Joseph F. Costa
John J. Egli
Fred Emigholz
Herman A. Folgner
Lambert Freericks
Charles E. Gorman
William J. Hamm
William Haratonik
Eugene A. Kelly
Walter C. Kluz
George M. Kovacsevics
Joseph J. Lovas
William J. Matt, Jr.
Leo T. McGuire
Raymond F. Moran
Charles J. Morello
Karl A. Newgreen
Fred C. Olwig
Ildefonso Orellana
John H. Peterson
Edward A. Phelan
Arthur O. Ploetz
William J. Pollert
Walter Rowland
Herman L. Schick
John L. Sherry
T. Edward Thorsen
H. Earle Vaughan
Edward Watson
Stanley J. Zawadowicz

ΦΣΩ
ΦΙ ΣΙΓΜΑ ΟΜΕΓΑ

Phi Sigma Omega Fraternity

CHAPTERS

ALPHA ..... Cooper Union
BETA ..... Newark College of Engineering
GAMMA ..... New York University

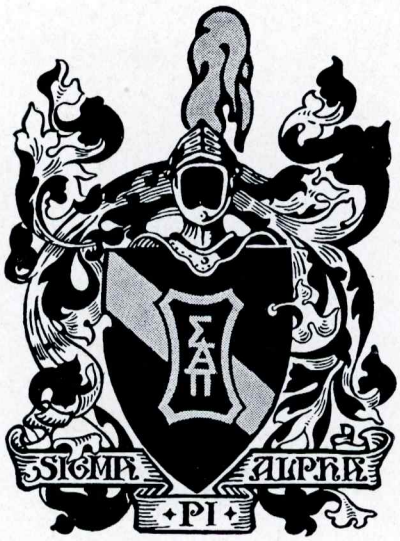
FRATRES IN FACULTATE

E. A. Miller
M. H. Van Buren
C. O. Roth
J. J. Tanzola

FRATRES IN COLLEGIO

Francis H. Alexander
Edward Badey
John F. Bateman
Stanley Berg
Robert J. Brady
Philip F. Brueck
James J. Burke
John V. Cahill
Joseph H. Campbell
John J. Carroll
John T. Carroll
Angelo B. Casulli
James E. Coffey
Vincent G. Cooke
Hector Cuttica
Raymond B. Duguid
Herman C. Franke
Lawrence Gabriel
Louis H. Gartelman
James J. Gill
Marcel Goazempis
Erich Graber
Ernst C. Graber
Sterling Gustavson
John Hannon
Emmet E. Happ
Alfred H. Hippe
Raymond H. Kilmer
F. E. Knipper
Michael J. LaForte
Vincent S. Lindyberg
Arthur L. Lipman
James J. Locke
John B. Mayer
James J. McManamy
Joseph E. Michaelson
Vincent S. Morano
George W. O'Brien
Lawrence R. Oswald
Joseph E. Owens
Ernando F. Perricelli
Harold E. Prucha
Rene Reimann
William P. Reuss
Gilbert Ribreau
Gerard A. Rohlich
John P. Roulett, Jr.
Ralph Sandor
Walter Simons
William H. Smythe
Eugene R. Spies
John Stark
Joseph W. Svoboda
John Tesoriero
Frederick H. Thuroff
Cesar A. Tolivar
John G. Wagner
Wallace W. Wagner
Peter F. Wield
Anton J. Wille

Sigma Alpha Pi



FRATRES IN FACULTATE

William E. Bossert
James Coull
Werner O. Entenmann
Abraham J. B. Fairburn
Henry B. Hope
Carlyle W. Miller
Dr. Albert B. Newman
Henry J. Otten
Prof. William J. Pickett
Prof. Norman L. Towle

Carl H. Young

FRATRES IN COLLEGIO

James Constable
Maurice W. Groves
Felix A. Insleman
Helmar O. Jensen
Kermit J. Kalna
Emil H. Keller
John W. Kinkel
Thomas H. Nelly
Walter J. Romlein
Edward Schoenfeld, Jr.
T. B. Smith
William C. Stevens

Alpha Mu Sigma

Founded in Cooper Union in 1914

FRATRES IN COLLEGIO

William H. Wechter
Oscar L. Fischer
Ralph Torop
Samuel J. Cohen
Abraham Niver
Milton D. Chrisman
Irving Wenz
A. Leon Fishback
Solomon Cooper
Karl Itkin
Samuel S. Goldstein
Arthur Kahlenberg
Frederick M. Lindheimer
Frederick Shapiro

Herman H. Weinstein

Lambda Sigma Kappa

FRATRES IN FACULTATE

Blandford A. Alger
Warren G. Findley
Harold W. Merritt
James P. O'Donnell
Herbert F. Roemmele
Emanuel A. Salma

FRATRES IN COLLEGIO

ALPHA

Marcel J. P. Bogart
Hugo J. Di Giovanni
Alexander Engel
Lloyd Garrison
Edgar D. Hinton
D. Wirth Jackson
Sidney Kleban
Pierre Lambert
Myron S. Mischanski
Gerard Plunkett
Robert Pollock
George Ratner
John Stepsis
Charles Wolf

BETA

Phil Anthes
Bertram J. Bertolamy
Joseph Boccio
Larry Bochinski
George Brown
Frank Broz
Michael Carollo
Albert Clermont
Keith Cronshey
George Deissroth
Adolph Fuchs
Robert Gooding
John Lorenc
Joseph Marraccino
Alfred Munson
John Patrick Nevins
Carroll Saia
Felix Wielonski

The Interfraternity Committee

Alpha Mu Sigma	Alpha Chapter
Lambda Sigma Kappa	Alpha Chapter
Lambda Sigma Kappa	Beta Chapter
Omega Delta Phi	Alpha Chapter
Omega Delta Phi	Delta Chapter
Phi Sigma Omega	Alpha Chapter
Sigma Alpha Pi	Alpha Chapter

Chairman
J. A. BIVONA

Secretary-Treasurer
H. A. FOLGNER

THE Interfraternity Committee represents the largest group of organized students in The Cooper Union. The Committee is composed of representatives from all fraternities at The Cooper Union other than honorary and professional, and was formed a number of years ago for the purpose of promoting a stronger school spirit in the student body, to coordinate fraternal activities, to uphold the time-honored traditions of the school and, in general, to work for the advancement of The Cooper Union.

During the first year of its existence the Committee endeavored to correct the unsatisfactory conditions existing, caused by unrestricted pledging, with the formulation of a set of pledging rules acceptable to all fraternities. A minor degree of success was obtained, but due to the lack of proper cooperation by one of the fraternities it became necessary for all representatives to withdraw the ratification of their organizations.

One of the fundamental reasons for the formation of this Committee by the fraternities was for the purpose of obtaining Faculty recognition. This year, due to the radical changes in the Faculty and the apparent complete reversal of their attitude toward extra-curricular activities, it seems quite possible that the Committee may attain its goal.

The representatives have been working diligently and consistently on the drafting of a petition to be presented to the Faculty upon the approval of all fraternities represented on the Committee and from all apparent indications it is quite possible that by the end of this present school year those organizations, some of which have been in existence more than thirty years in the school, representing the true Cooper Union student will at last receive recognition of their existence by the Faculty.

Gold "C" Committee

PHILIP F. BRUECK
JOHN T. CARROLL
ARTHUR O. PLOETZ

Athletic Financial Committee

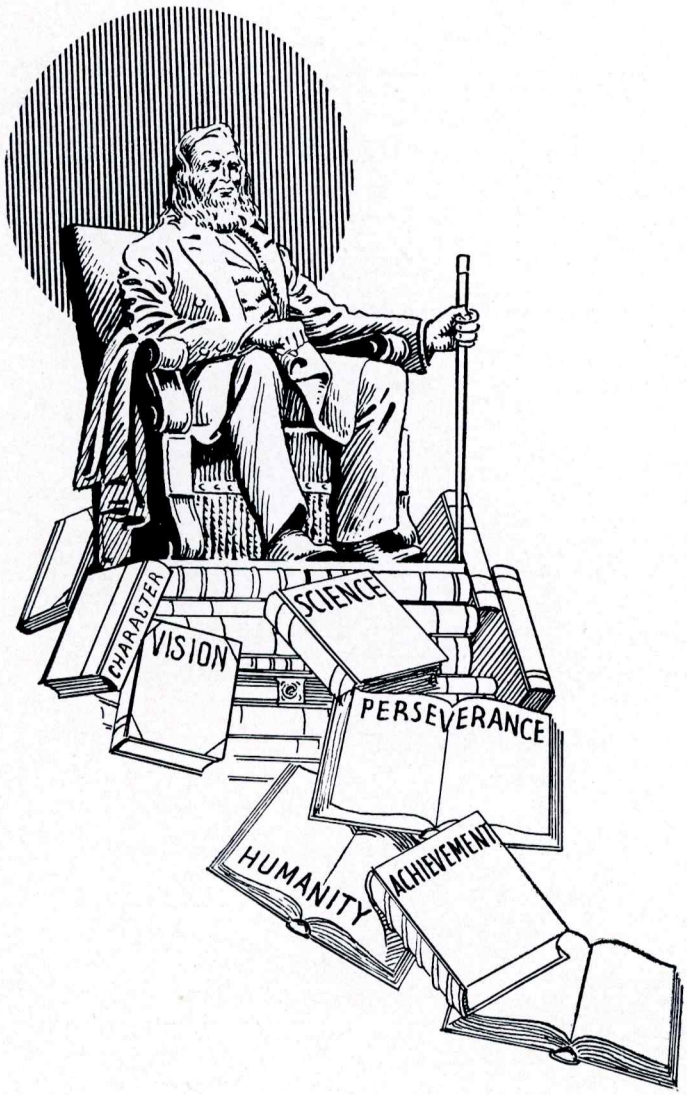
JAMES CARLIN
L. L. HARRIS
WALTER C. KLUZ
W. KORN

Freshman Dance Committee

J. S. CASO
JOHN GUMBRECHT
VINCENT LINDYBERG
EPHRIAM SOLKOFF

Track Field Day Committee

JOHN T. CARROLL
EMMETT HAPP
GEORGE O'BRIEN
ARTHUR O. PLOETZ


CHARACTER
VISION
SCIENCE
PERSEVERANCE
HUMANITY
ACHIEVEMENT

THE ROSTER

1933

CHEMICAL ENGINEERING

1933

Beaton, D. H.....9 Boyd St., Kearny, N. J.
De Coste, J. B...30 Roosevelt Avenue, Jersey City, N. J.
De Viver, C. A.....501 West 7th Street, Plainfield, N. J.
Fishbach, A. L.....1173 - 44th Street, Brooklyn, N. Y.
Hibner, M.....200 - 2nd Street, Jersey City, N. J.
Kayser, E. J.....334 Palmetto Street, Brooklyn, N. Y.
Korany, J. A.....456 Fairmount Avenue, Newark, N. J.
Landau, M....609 West 137th Street, New York, N. Y.
Luedeke, A. W...21-59 - 23rd Street, Astoria, L. I., N. Y.
McCluskey, V. I...356 West 34th Street, New York, N. Y.
McGill, J. P...199 Decker Avenue, Port Richmond, N. Y.
Pillartz, W.....109 East 121st Street, New York, N. Y.
Pollock, S.....1339 Intervale Avenue, Bronx, N. Y.
Theuerer, H. C.....597 - 10th Avenue, New York, N. Y.
Weiner, J.....826 Fox Street, Bronx, N. Y.

ELECTRICAL ENGINEERING

1933

Balacek, F. P.....414 East 77th Street, New York, N. Y.
Balsam, H.....4526 - 44th Street, Woodside, L. I., N. Y.
Bertero, G. A.....74 East 4th Street, Brooklyn, N. Y.
Billman, E. F.....1575 Palisade Avenue, Fort Lee, N. J.
Brady, R. J...186 - 1st Street, Stewart Manor, L. I., N. Y.
Brosche, M. F.....Rochelle Park, N. J.
Brown, J. A.....2542 University Avenue, Bronx, N. Y.
Carroll, J. J.....55 Hanson Place, Brooklyn, N. Y.
Cobianchi, T.....156 Lewis Street, Paterson, N. J.
Cuttica, H.....408 West 46th Street, New York, N. Y.
Dunlap, H. T.....415 Berwick Street, Orange, N. J.
Egli, J. .....258 East 165th Street, Bronx, N. Y.
Ellis, T. S.....98 West 183rd Street, Bronx, N. Y.
Fichter, M. O.....1421 Sterling Place, Brooklyn, N. Y.
Fox, J. E.....42 - 2nd Street, Fairlawn, N. J.
Franqui, A.....208 West 112th Street, New York, N. Y.
Freericks, L.....1170 Gerard Avenue, Bronx, N. Y.
Goldman, R.....1819 West 6th Street, Brooklyn, N. Y.
Graber, E..42-12 Ditmars Boulevard, Astoria, L. I., N. Y.
Gruner, F. R.....125 Park Avenue, Paterson, N. J.
Hamm, W. J..54 Lunhurst Avenue, Rosebank, S. I., N. Y.
Ludwig, A....58-44 - 43rd Street, Woodside, L. I., N. Y.
Oswald, L. R.....Summit Avenue, New Milford, N. J.
Peavy, R. L.....644 Riverside Drive, New York, N. Y.
Pellecchia, L.....248 - 6th Avenue, Brooklyn, N. Y.
Phelan, E. A.....121 Tuers Avenue, Jersey City, N. J.
Piano, J. J.....535 - 29th Street, North Bergen, N. J.
Ritter, E.....3240 - 33rd Street, Astoria, L. I., N. Y.
Schroeder, L. G..Admont Avenue, Franklin Square, N.Y.
Sherman, J. B.....847 Manida Street, Bronx, N. Y.
Soller, H. W.....215 West 23rd Street, New York, N. Y.
Spies, E. R.....121 Hillcrest Road, Mount Vernon, N. Y.
Van Rosenbergh, W.....306 Van Houten Street, Paterson, N. J.
Velleman, S. S.....326 St. Johns Place, Brooklyn, N. Y.
Wagner, W. W...191-19 - 109th Road, Hollis, L. I., N. Y.
Wezousky, I.....9 St. Marks Place, New York, N. Y.

GENERAL SCIENCE

1933

Civil Engineering

Badey, E. D...335 Wadsworth Avenue, New York, N. Y.
Balaban, M. L.....669 Myrtle Avenue, Brooklyn, N. Y.
Baltera, A.....59 Carmine Street, New York, N. Y.
Bohan, J. J.....8 Wellesley Avenue, Yonkers, N. Y.
Brown, W. B.....2177 - 8th Avenue, New York, N. Y.
Brueck, P. F.....73 St. Pauls Place, Brooklyn, N. Y.
Butler, M. W.....22 Livingston Avenue, Yonkers, N. Y.
Caplan, D.....2765 Ocean Avenue, Brooklyn, N. Y.
Carroll, J. T.....1863 Menahan Street, Brooklyn, N. Y.
Casulli, A. B.....1084 - 38th Street, Brooklyn, N. Y.
Colvin, C. D....15 Van Sicklen Avenue, Brooklyn, N. Y.
Denner, N.....1465 Hoe Avenue, Bronx, N. Y.
Ekloff, E. E...31 High Street, Croton-on-Hudson, N. Y.
Fasullo, S.....61 Bleeker Street, Brooklyn, N. Y.
Ficker, J. J.....121 Bleeker Street, Jersey City, N. J.
Fitzpatrick, J.....64 Jessup Place, New York, N. Y.
Gerringer, S...160 West Kingsbridge Road, Bronx, N. Y.
Horan, H. J.....300 East 163rd Street, Bronx, N. Y.
Kosow, H.....785 Bermont Avenue, Brooklyn, N. Y.
Kuznetzoff, I.....596 East 51st Street, Brooklyn, N. Y.
Lechterman, E...6220 - 80th Road, Glendale, L. I., N. Y.
Magliato, P. J....1807 Bussing Avenue, New York, N. Y.
Mayer, S. S.....61 East 95th Street, New York, N. Y.
McCann, H. T.....2804 Decatur Avenue, Bronx, N. Y.
Mendelson, E.....1970 - 71st Street, Brooklyn, N. Y.
Moore, A. E.....1635 Putnam Avenue, Brooklyn, N. Y.
Morano, V. S.....958 - 76th Street, Brooklyn, N. Y.
Perricelli, E. F.....873 East 181st Street, Bronx, N. Y.
Prime, G. H.....9107 - 216th Street Queens Village, L. I., N. Y.
Quinn, I.....6009 - 19th Avenue, Brooklyn, N. Y.
Rouse, H. D.....1275 New York Avenue, Brooklyn, N. Y.
Rubinson, E..1489 Coney Island Avenue, Brooklyn, N. Y.
Sapiro, H.....14 Marcy Place, Bronx, N. Y.
Savage, A. J.....484 East 141st Street, New York, N. Y.
Schimpff, M. C.....11 Chester Avenue, Stewart Manor, L. I., N. Y.
Sells, W.....49 Hinsdale Street, Brooklyn, N. Y.
Shingler, H. A....8517 - 89th Street, Woodhaven, N. Y.
Sigman, J.....242 East 19th Street, New York, N. Y.
Solotoroff, B.....1233 Evergreen Avenue, Bronx, N. Y.
Stafford, F.....1821 Longfellow Avenue, Bronx, N. Y.
Stewart, J.....82 Oak Street, Jersey City, N. J.
Struyk, P. A.....1001 East 25th Street, Paterson, N. J.
Vaughan, H. E.....195 Roosevelt Avenue, Valley Stream, L. I., N. Y.
Wartelsky, J.....2096 Daly Avenue, Bronx, N. Y.
Wechter, W. H.....1973 Vyse Avenue, Bronx, N. Y.
Weissman, M.....393 Miller Avenue, Brooklyn, N. Y.

GENERAL SCIENCE

1933

Mechanical Engineering

Cooke, V. G.....11 Palm Court, Brooklyn, N. Y.
Gillick, S.....195 Washington Street, Jersey City, N. J.
Graber, E. C.....42-12 Ditmars Boulevard, Astoria, L. I., N. Y.

GENERAL SCIENCE (Continued)

Gustavson, S. T...241 Fountain Avenue, Brooklyn, N. Y.
Hornby, C. R..343 Fairmount Avenue, Jersey City, N. J.
Hotaling, R.....1112 - 72nd Street, Brooklyn, N. Y.
Levy, H.....18 Jacob Street, Newark, N. J.
Locke, J. S.....106 West 92nd Street, New York, N. Y.
Luceri, A. S.....1820 Lurting Avenue, Bronx, N. Y.
Martorano, P. A...3317 - 99th Street, Corona, L. I., N. Y.
Plasse, H.....189 Ross Street, Brooklyn, N. Y.
Sanders, G. K.....223 East 56th Street, Brooklyn, N. Y.
Schapiro, P.....840 Bushwick Avenue, Brooklyn, N. Y.
Schneider, C.....5120 - 19th Avenue, Brooklyn, N. Y.
Sherry, J. L.....9 Vreeland Terrace, Jersey City, N. J.
Smith, T. B.....1780 West 9th Street, Brooklyn, N. Y.
Spahn, C. F.....637 East 175th Street, Bronx, N. Y.
Svoboda, J. W.....7439 - 44th Avenue, Elmhurst, L. I., N. Y.
Wagner, J. G...1486 Bedford Avenue, Brooklyn, N. Y.
Zieve, A.....45 Bay 23rd Street, Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY

1933

Chemical Engineering

Bogart, M. J. P...558 Sagamore Avenue, Teaneck, N. J.
Cooper, S. S.....335 South 5th Street, Brooklyn, N. Y.
Dutot, H. E...47-47 - 44th Street, Woodside, L. I., N. Y.
Kushner, J. B.....232 Cypress Avenue, Bronx, N. Y.
Lambert, P.....15 West 67th Street, New York, N. Y.
Lawless, S.....Box 122, Bellport, L. I., N. Y.
Liebmann, M.....106 East 51st Street, Brooklyn, N. Y.
Mischanski, M. S.....17 Bond Street, Wallington, N. J.
Nerken, A. I.....1695 Topping Avenue, Bronx, N. Y.
Panebianco, J.....342 - 88th Street, Brooklyn, N. Y.
Schneiderman, M.....2152 - 72nd Street, Brooklyn, N. Y.
Weissenberg, A....7610 Boulevard, Arverne, L. I., N. Y.

Civil Engineering

Carbone, A. A.....69 - 4th Street, New Rochelle, N. Y.
Gluck, H. A.....187-07 Tioga Drive, St. Albans, N. Y.
Groves, M. W.....West Union, N. Y.
Jamison, T. E.....23 Redmond Avenue, Bayshore, L. I., N. Y.
Karathanasis, N...164 East 33rd Street, New York, N. Y.
Lagreco, C. J....1044 Jefferson Avenue, Brooklyn, N. Y.
Pollock, R. E.....1999 Cornell Avenue, Bronx, N. Y.
Solins, D.....3728 Poplar Avenue, Brooklyn, N. Y.
Stepsis, J. S.....489 Logan Street, Brooklyn, N. Y.
Sternlieb, E. I...1028 New York Avenue, Brooklyn, N. Y.

Electrical Engineering

Brawer, J.....568 Broadway, Paterson, N. J.
Costello, F. J....2656 Bainbridge Avenue, Bronx, N. Y.
Di Giovanni, H. J...2280 Bathgate Avenue, Bronx, N. Y.
Ernest, J. H.....3 North 4th Street, Paterson, N. J.
Greenspan, M....155 Myrtle Avenue, Jersey City, N. J.
Inslerman, F. A...314 East 122nd Street, New York, N. Y.
Jensen, H. O.....280 Riverside Drive, New York, N. Y.
Keller, E. H.....667 Jefferson Place, Bronx, N. Y.
McKeever, S. K.....95 Chase Avenue, Yonkers, N. Y.
Queen, H. J.....106 Utica Avenue, Brooklyn, N. Y.
Rigrod, W. W...311 West 95th Street, New York, N. Y.
Rosenstock, M. J..701 West 179th Street, New York, N. Y.
Sarver, E.....1028 Rutland Road, Brooklyn, N. Y.
Schneider, H. C.....2405 Tratman Avenue, Bronx, N. Y.
Silberman, B. H.....3120 Darby Street, Brooklyn, N. Y.
Watkins, J.....165 East 104th Street, New York, N. Y.

Mechanical Engineering

Bauser, L. E...9150 - 114th Street, Richmond Hill, N. Y.
Bessio, O.....80 Wilson Terrace, Concord, S. I., N. Y.
Denari, E. J.....8921 Ridge Boulevard, Brooklyn, N. Y.
Hinton, E. D.....74 Gard Avenue, Bronxville, N. Y.
Schoenfeld, E., Jr....Lancaster Avenue, Montrose, N. Y.

ARCHITECTURE

1933

Altman, I.....3011 Coney Island Avenue, Brooklyn, N. Y.
Anthes, P. S.....3 West 192nd Street, New York, N. Y.
Aronson, E.....201 Montauk Avenue, Brooklyn, N. Y.
Backof, J. E.....26 Florence Street, Great Kills, S. I., N. Y.
Barbarite, J. P....658 Nostrand Avenue, Brooklyn, N. Y.
Barrows, P. T.....152 Newell Street, Brooklyn, N. Y.
Beatty, L. D.....89 Lexington Avenue, Jersey City, N. J.
Bianchi, C. J.....604 Summit Avenue, Union City, N. J.
Brown, G.....86-34 - 57th Road, Elmhurst, L. I., N. Y.
Cardo, T. G.....1124 Waring Avenue, Bronx, N. Y.
Carrollo, M.....184 Stockholm Street, Brooklyn, N. Y.
Deissroth, G. F.....191 Merrick Road, Amityville, L. I., N. Y.
DeMars, H. A....188 South 3rd Street, Brooklyn, N. Y.
Dolgow, I. E.....330 Barrett Street, Brooklyn, N. Y.
Duchin, I.....1110 Theriot Avenue, New York, N. Y.
Dushkin, L. L.....2106 Clinton Avenue, Bronx, N. Y.
Dyer, F.....718 John Street, Secaucus, N. J.
Falcone, L. V...104-14 Otis Avenue, Corona, L. I., N. Y.
Fitzgerald, J. J...13 Moniter Street, Jersey City, N. J.
Foglia, R.....37-13 9th Street, Long Island City, N. Y.
Frank, N. B.....548 East 183rd Street, Bronx, N. Y.
Fuchs, A.....1450 Jesup Avenue, Bronx, N. Y.
Fuchs, T.....1955 Grand Concourse, Bronx, N. Y.
Gilbert, W.....5007 - 18th Avenue, Brooklyn, N. Y.
Ginsberg, B. E.....4332 Gunther Avenue, Bronx, N. Y.
Gooding, R. A.....588 Macom Street, Brooklyn, N. Y.
Hahn, I.....114 Rodney Street, Brooklyn, N. Y.
Herman, G. W.....475 South Columbus Avenue, Mount Vernon, N. Y.
Horn, S.....4705 New Utrecht Avenue, Brooklyn, N. Y.
Kirschenbaum, A.....635 Essex Street, Brooklyn, N. Y.
Kolin, S.....6022 - 67th Avenue, Brooklyn, N. Y.
Krantz, W. E...309 East 125th Street, New York, N. Y.
Leahy, B.....333 East 80th Street, New York, N. Y.
Ledwith, J. T.....37-55 100th Street, Corona, L. I., N. Y.

ARCHITECTURE (Continued)

Lewis, D.....103 Stockholm Street, Brooklyn, N. Y.
Lopez, V.....137 West 111th Street, New York, N. Y.
Lorenc, F. J.....3335 - 73rd Street, Jackson Heights, L. I., N. Y.
Lyon, E. C.....138 Buram Road, Port Chester, N. Y.
Maland, F.....200 East 166th Street, Bronx, N. Y.
Mesnik, D.....20 Sickles Street, New York, N. Y.
Mossman, M. W...182 Amherst Avenue, Brooklyn, N. Y.
Munson, J. A.....101 West 52nd Street, New York, N. Y.
Nulty, M. W.....551 40th Street, Brooklyn, N. Y.
O'Brien, E. G.....545 East 133rd Street, New York, N. Y.
Ocenasek, F. C.....431 South 2nd Avenue Mount Vernon, N. Y.
Pasetto, G. W....119 88th Street, West New York, N. J.
Pavia, A. M.....91 Finney Lane, Stanford, Conn.
Petshaft, J.....32 Elliot Street, Passaic, N. J.
Polsky, B. M.....253 Christopher Street, Brooklyn, N. Y.
Rose, J.....1638 East 52nd Street, Brooklyn, N. Y.
Reiner, P. H.....33-30 - 88th Street, Jackson Heights, L. I., N. Y.
Saravis, J.....16-01 Macombs Road, Bronx, N. Y.
Schoff, A. A.....206 East 67th Street, New York, N. Y.
Schusheim, J.....130 Avenue D, New York, N. Y.
Sklarin, H.....335 Broad Avenue, Leonia, N. J.
Strom, H. T.....17-62 Boulevard Avenue Jersey City, N. J.
Slebodnick, J. A.....52-32 - 66th Street, Brooklyn, N. Y.
Maspeth, L. I., N. Y.
Spinetta, A. F.....1261 - 71st Street, Brooklyn, N. Y.
Stephens, E. J.....9569 - 115th Street, Richmond Hill, N. Y.
Taylor, G. T.....553 13th Street, West New York, N. J.
Vera, R.....1005 Hoe Avenue, Bronx, N. Y.

1934

CHEMICAL ENGINEERING

1934

Anthony, R. S.....204 East 17th Street, New York, N. Y.
Dinkfeld, A. M...285 Maryland Avenue, Paterson, N. J.
Donato, J. B. F...379 Van Brunt Street, Brooklyn, N. Y.
Gangi, F.....485 Paulison Avenue, Passaic, N. J.
Gerstel, S. C.....952 Kelly Street, Bronx, N. Y.
Gordon, P. L.....2947 West 29th Street, Brooklyn, N. Y.
Haffcke, W. H.....620 - 61st Street, Brooklyn, N. Y.
Hagen, G.....7905 - 3rd Avenue, Brooklyn, N. Y.
Haratonik, W.....34-56 - 30th Street, Long Island City, N. Y.
Heinlein, E.....Stewart Avenue, Garden City, N. Y.
Matt, W. J., Jr.....93 Hillside Avenue, Nutley, N. J.
Mautner, H. R...203 East 27th Street, New York, N. Y.
Melaccio, F.....5923 Ralph Street, Ridgewood, L. I., N. Y.
Moran, R. F.....574 Monroe Street, Brooklyn, N. Y.
Newgreen, K...21 West High Street, Somerville, N. J.
Ploetz, A. O.....2424 - 42nd Street, Astoria, L. I., N. Y.
Pollert, W. J.....408 East 5th Street, New York, N. Y.
Ratner, G. B.....210 West 71st Street, New York, N. Y.
Roman, A.....1418 President Street, Brooklyn, N. Y.
Scheiner, M.....342 East 15th Street, New York, N. Y.
Steen, H.....19 West 76th Street, New York, N. Y.

ELECTRICAL ENGINEERING

1934

Blam, L. L.....31-09 - 21st Avenue, Long Island City, N. Y.
Brodsky, J.....2179 Washington Avenue, Bronx, N. Y.
Burdian, W...41-22 - 52nd Street, Woodside, L. I., N. Y.
Cahill, J. V.....562 West 189th Street, New York, N. Y.
Chrisman, M. D.....408 Ellison Street, Paterson, N. J.
Coffin, A. G.....158 East 38th Street, Brooklyn, N. Y.
Constable, J.....101-20 - 107th Street, Richmond Hill, N. Y.
Daubenschmidt, E. R.....75 West 183rd Street, Bronx, N. Y.
Dela Cruz, M. P.....347 East 31st Street, New York, N. Y.
Distefano, E.....625 Jackson Avenue, Bronx, N. Y.
Dublin, L. I.....1735 Sterling Place, Brooklyn, N. Y.
Duke, H.....2011 Morris Avenue, Bronx, N. Y.
Ehrenberg, S. N.....444 Gregory Street, Passaic, N. J.
Feinstein, I.....312 East 33rd Street, New York, N. Y.
Fischer, O. L.....2028 Davidson Avenue, Bronx, N. Y.
Fredrikson, J.....877 - 61st Street, Brooklyn, N. Y.
Frost, A. F...31-21 - 29th Street, Long Island City, N. Y.
Geipel, W. E.....259 Euclid Avenue, Brooklyn, N. Y.
Gillim, J. W.....135 Madison Avenue, Elizabeth, N. J.
Goazempis, M. S...1929 Davidson Avenue, Bronx, N. Y.
Holmlin, H. W.....218 - 91st Street, Brooklyn, N. Y.
Kalna, K. J.....549 - 36th Street, Woodcliff, N. J.
Klein, M.....82 Ravine Avenue, Yonkers, N. Y.
Krause, H. H...270 Columbia Avenue, Jersey City, N. J.
Lampkin, R. J...258 West 153rd Street, New York, N. Y.
Latzoni, S. A.....459 River Drive, Garfield. N. J.
Matthysse, I. F....2566 Bainbridge Avenue, Bronx, N. Y.
McGuire, L. T...649 Bay Ridge Parkway, Brooklyn, N. Y.
McManamy, J. J.....63 West 184th Street, Bronx, N. Y.
Mesel, S.....190 Cator Avenue, Jersey City, N. Y.
Miller, J. R.....2074 Harrison Avenue, Bronx, N. Y.
Mond, L.....705 East 9th Street, New York, N. Y.
Niver, A.....211 East 14th Street, New York, N. Y.
Noloboff, M. M.....587 Jerome Street, Brooklyn, N. Y.
O'Brien, G. W.....237-30 Edmore Avenue, Bellrose, L. I., N. Y.
Parodi, V.....38 MacDougal Street, New York, N. Y.
Rath, W. F.....5579 Boulevard, North Bergen, N. J.
Reimann, R.....5401 - 14th Avenue, Brooklyn, N. Y.
Ribreau, G. E...4335 - 40th Street, Sunnyside, L. I., N. Y.
Schlang, K.....46 Stuyvesant Street, New York, N. Y.
Schoell, W.....1247 Webster Avenue, Bronx, N. Y.
Smythe, W. H. A...159 Forest Street, Montclair, N. J.
Stark, J.....3722 - 98th Street, Corona, L. I., N. Y.
Tesoriero, J. J.....7711 - 5th Avenue, Brooklyn, N. Y.
Tinkel, L. J.....825 Tinton Avenue, Bronx, N. Y.
Tolivar, C. A.....3016 Clarendon Road, Brooklyn, N. Y.
Webb, W. B.....4470 Park Avenue, Bronx, N. Y.
Weinberg, S.....24 Bay 31st Street, Brooklyn, N. Y.
Wield, P. F.....179-03 Jamaica Avenue, Jamaica, L. I., N. Y.
Wille, A. J...205-24 - 110th Avenue, Hollis, L. I., N. Y.

GENERAL SCIENCE

1934

Civil Engineering

Abramson, M.....1032 - 46th Street, Brooklyn, N. Y.
Adams, H. K.....4810 Osgood Street, Bronx, N. Y.
Ashby, F. G....285 West 150th Street, New York, N. Y.
Bergmeister, C. N...638 Fulton Street, Elizabeth, N. J.
Blum, A. E.....72 Ridgewood Avenue, Brooklyn, N. Y.
Brown, G. E.....900 Avenue C, Bayonne, N. J.
Calmel, L. R.....258 West 55th Street, New York, N. Y.
Campbell, J. A.....5017 - 45th Street, Woodside, L. I., N. Y.
Bernando, S. C.....19 West 69th Street, New York, N. Y.
De Francesco, D.....532 East 184th Street, Bronx, N. Y.
Di Prima, J.....544 Hart Street, Brooklyn, N. Y.
Driscoll, T. J.....217 Benziger Avenue, New Brighton, S. I., N. Y.
Dvorak, R...67-16 - 50th Avenue, Woodside, L. I., N. Y.
Edwards, M. G.....2432 East 14th Street, Brooklyn, N. Y.
Friedman, J.....269 West 11th Street, New York, N. Y.
Fromm, A. G.....1312 Clay Avenue, Bronx, N. Y.
Gamache, G. F...104 Seminary Avenue, Yonkers, N. Y.
Geyer, P. W.....218 West 16th Street, New York, N. Y.
Goldberg, S.....482 Riverdale Avenue, Brooklyn, N. Y.
Gould, M.....520 Williams Avenue, Brooklyn, N. Y.
Greenberg, J. H....7119 - 19th Avenue, Brooklyn, N. Y.
Halbreich, H.....260 Osborn Street, Brooklyn, N. Y.
Humphreys, J...2563 - 33rd Street, Astoria, L. I., N. Y.
Idashkin, M.....325 East 16th Street, New York, N. Y.
Jordan, A.....315 Sanford Avenue, Newark, N. J.
Knox, V. E.....1172 Stratford Avenue, Bronx, N. Y.
Kuenzler, E. J.....8311 - 31st Avenue, Jackson Heights, L. I., N. Y.
La Forte, M. J.....814 Avenue V, Brooklyn, N. Y.
Lowey, L. L.....9710 - 25th Avenue, East Elmhurst, L. I., N. Y.
Mazzucca, J. A...398 East 152nd Street, New York, N. Y.
Milner, J. A...2147 - 37th Street, Long Island City, N. Y.
O'Brien, J.....43-14 - 147th Street, Flushing, L. I., N. Y.
Peters, G. H.....280 North Columbus Avenue, Freeport, L. I., N. Y.
Phelan, J.....70 South Broadway, White Plains, N. Y.
Pleasants, B.....311 Palisade Avenue, Union City, N. J.
Ramer, N. G...511 West 170th Street, New York, N. Y.
Rampino, M. A...288 East 152nd Street, New York, N. Y.
Rohlich, G. A.....812 Buchman Avenue, Ridgewood, L. I., N. Y.
Rosenholtz, M...1555 West 11th Street, Brooklyn, N. Y.
Rowland, W.....1115 Madison Avenue, New York, N. Y.
Sandor, R.....38 McLean Street, Passaic, N. J.
Scherr, M.....1550 Sterling Place, Brooklyn, N. Y.
Shapiro, J. R.....89 Seigel Street, Brooklyn, N. Y.
Simons, W.....12 Bacot Street, Jersey City, N. J.
Spainer, E.....935 - 43rd Street, Brooklyn, N. Y.
Stubler, A. J.....433 - 7th Street, Brooklyn, N. Y.
Watson, E.....538 - 84th Street, Brooklyn, N. Y.
Wechsler, A.....389 Monroe Street, Brooklyn, N. Y.
Wexler, S.....7106 - 18th Avenue, Brooklyn, N. Y.
Zawadowicz, S.....187 Washington Street, Jersey City, N. J.

GENERAL SCIENCE

1934

Mechanical Engineering

Alexander, F. H.....119-21 Metropolitan Avenue, Kew Gardens, L. I., N. Y.
Bardes, G.....271 Parkside Avenue, Brooklyn, N. Y.
Bleckman, G. G.....104-30 - 120th Street, Richmond Hill, N. Y.
Christensen, J. A.....61 Lexington Avenue, Jersey City, N. J.
Crane, H. H.....1299 Lincoln Place, Brooklyn, N. Y.
Dardick, D.....3021 Holland Avenue, New York, N. Y.
Dvorak, S. C.....4524 Park Avenue, New York, N. Y.
Edelstein, A.....1159 Morris Avenue, New York, N. Y.
Ferrer, A. D.....175 Larch Avenue, Teaneck, N. J.
Figelman, B.....527 Putnam Avenue, Brooklyn, N. Y.
Gerling, E. A.....715 - 58th Street, Brooklyn, N. Y.
Gomez, C. A.....206 - 34th Street, North Bergen, N. J.
Harris, H. I.....2254 Davidson Avenue, Bronx, N. Y.
Hess, J.....240 Irving Place, Brooklyn, N. Y.
Ihlenburg, H.....183 Etna Street, Brooklyn, N. Y.
Kleinfelder, W. C.....169 Fingerboard Road, Rosebank, S. I., N. Y.
Korn, W.....256 Fulton Avenue, Jersey City, N. J.
McKeith, P. E.....9403 - 96th Street, Ozone Park, N. Y.
Melick, T. E.....Belle Mead, N. J.
Mittenzwei, E. F...285 Cornelia Street, Brooklyn, N. Y.
Owens, J. E.....1504 Ocean Avenue, Brooklyn, N. Y.
Petersen, J. H.....342 Eldert Street, Brooklyn, N. Y.
Roth, M. E.....1000 Fox Street, Bronx, N. Y.
Sachse, W. J...87-16 - 124th Street, Richmond Hill, N. Y.
Schick, H. L.....234 Cornelia Street, Brooklyn, N. Y.
Tonero, L. V.....345 West Market Street, Newark, N. J.
Trenck, E. F...41 Hillside Avenue, New Rochelle, N. Y.
Weber, A.....1865 - 62nd Street, Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY

1934

Chemical Engineering

Biband, R. E.....2224 Homer Avenue, Bronx, N. Y.
Bramwell, F.....7 Glenada Place, Brooklyn, N. Y.
Dunsay, S. H.....675 East 233rd Street, Bronx, N. Y.
Engel, A.....651 East 178th Street, New York, N. Y.
Fromowitz, I.....601 Oak Terrace, Bronx, N. Y.
Goldstein, S. S.....1849 - 74th Street, Brooklyn, N. Y.
Green, L.....578 River Street, Paterson, N. J.
Kaplan, S.....206 Lawrence Place, Paterson, N. J.
Kinkel, J. W.....109-31 - 205th Street, Hollis, L. I., N. Y.
Kittleman, E. J...1151 St. Lawrence Avenue, Bronx, N. Y.
Kleban, S. J.....125 West 72nd Street, New York, N. Y.
Kuchinsky, I.....171 Meade Avenue, Passaic, N. J.
LeVine, H. D.....190 Monroe Street, Brooklyn, N. Y.
Paz, A. R.....20 St. Marks Place, New York, N. Y.
Pinsker, I.....292 Brook Avenue, Bronx, N. Y.
Schwartz, S.....1542 Longfellow Avenue, Bronx, N. Y.

INSTITUTE OF TECHNOLOGY (Continued)

Shilitz, S.....530 - 7th Street, West New York, N. J.
Simon, J.....215 Governor Street, Paterson, N. J.
Skelly, J. F.....1514 Albany Avenue, Brooklyn, N. Y.
Steinmetz, J. J.....Box 40, Montrose, N. Y.
Sykora, W. S.....31-51 - 41st Street, Long Island City, N. Y.
Torop, R.....1050 Lowell Street, Bronx, N. Y.
Wamser, C. A.....25-86 - 44th Street, Long Island City, N. Y.
Winick, D. S.....1501 Bryant Avenue, Bronx, N. Y.
Zuckerman, H.....464 East 145th Street, New York, N. Y.

Civil Engineering

De Biase, A.....535 East 5th Street, New York, N. Y.
Gadzuk, J.....339 East 14th Street, New York, N. Y.
Giovanello, P. H...9506 Farragut Road, Brooklyn, N. Y.
Grayman, R.....2800 Bronx Park East, Bronx, N. Y.
Inman, C. H., Jr.....33-25 Whitestone Avenue, Flushing, L. I., N. Y.
Jackson, D. W..20 Sammis Avenue, Babylon, L. I., N. Y.
Kay, B.....1808 Marmion Avenue, Bronx, N. Y.
Larson, W. E.....9803 - 197th Street, Hollis, L. I., N. Y.
Lasser, M.....568 Linden Boulevard, Brooklyn, N. Y.
Levitsky, W.....259 East 10th Street, New York, N. Y.
Lyttle, J. B.....3408 Barker Avenue, Bronx, N. Y.
Magill, J. T.....441 Jefferson Avenue, Brooklyn, N. Y.
Morea, T.....4118 - 48th Avenue, Long Island City, N. Y.
Petersen, P. H.....102-17 - 129th Street, Richmond Hill, N. Y.
Rubinsky, M. A...2816 West 19th Street, Brooklyn, N. Y.
Stevens, W. C.....1850 - 85th Street, Brooklyn, N. Y.

Electrical Engineering

Abt, C. F.....451 Academy Street, Astoria, L. I., N. Y.
Amatneek, K.....17 East 107th Street, New York, N. Y.
Bollinger, A. J.....606 New Jersey Avenue, Point Pleasant Beach, N. J.
Cohen, M. H.....433 East 33rd Street, Paterson, N. J.
Dublin, M.....1735 Sterling Place, Brooklyn, N. Y.
Greenbaum, M.....1750 Bathgate Avenue, Bronx, N. Y.
Hilderbrand, J. A.....1636 Amsterdam Avenue, New York, N. Y.
Itkin, K.....8753 - 26th Avenue, Brooklyn, N. Y.
Jannuzzi, P.....627 Bramhall Avenue, Jersey City, N. J.
Kendall, R. H...110 Manchester Avenue, Paterson, N. J.
Kihn, H.....98 Grant Street, Passaic, N. J.
Klug, H. A.....2251 Powell Avenue, New York, N. Y.
Kropp, C. H.....117 East 15th Street, New York, N. Y.
Licursi, V. L...503 McNeil Avenue, Inwood, L. I., N. Y.
Lieblich, M.....2024 - 78th Street, Brooklyn, N. Y.
Lipschitz, M.....4612 - 12th Avenue, Brooklyn, N. Y.
Milusich, A. A...2443 - 32nd Street, Astoria, L. I., N. Y.
Muck, B.....857 Crotona Park North, Bronx, N. Y.
Oliver, D. F.....9519 - 132nd Street, Richmond Hill, N. Y.
Rosenfeld, A.....1112 Gerard Avenue, Bronx, N. Y.
Ryan, E. H.....3118 Snyder Avenue, Brooklyn, N. Y.
Scully, J. J.....845 Amsterdam Avenue, New York, N. Y.
Sikofsky, G. L.....1206 East New York Avenue, Brooklyn, N. Y.
Tobol, G.....1226 Boston Road, Bronx, N. Y.
Wylie, R. A.....7302 Narrows Avenue, Brooklyn, N. Y.

Mechanical Engineering

Brenner, M. M.....690 Beck Street, Bronx, N. Y.
Drutman, J.....642 Lafayette Avenue, Brooklyn, N. Y.
Gerow, C. F.....531 Craig Avenue, Tottenville, S. I., N. Y.
Leslie, F. B.....8856 Commonwealth Boulevard, Bellerose Manor, L. I., N. Y.
Oill, B. C.....1294 Grant Avenue, Bronx, N. Y.
Platts, H. H.....38 Sylvan Street, Rutherford, N. J.
Romlein, W. J.....116 Princeton Street, Nutley, N. J.

ARCHITECTURE

1934

Abramowitz, R.....89 Herzl Street, Brooklyn, N. Y.
Anderson, H. I...578 Bainbridge Street, New York, N. Y.
Batka, J. Jr....52-08 44th Street, Laurel Hill, L. I., N. Y.
Beck, A. H.....353 Montauk Avenue, Brooklyn, N. Y.
Biederman, M.....52 East 123rd Street, New York, N. Y.
Brown, F. W...2850 Creston Avenue, New York, N. Y.
Broz, F. P.....41-33 67th Street, Woodside, L. I., N. Y.
Burns, F. W.....131 Bidwell Avenue, Jersey City, N. J.
Castello, D. A.....44 Rochelle Terrace, Mount Vernon, N. Y.
Clermont, A. J., Jr.....106 Cox Avenue, Yonkers, N. Y.
Cohen, H.....500 Madison Street, Brooklyn, N. Y.
Cohn, H.....2310 Walton Avenue, Bronx, N. Y.
Connin, L. C.....39 Mercer Street, Jersey City, N. J.
Corners, C.....1105 Jerome Avenue, Bronx, N. Y.
Curione, S. P...60-60 Putnam Avenue, Ridgewood, N. Y.
D'Elcio, S.....1071 76th Street, Brooklyn, N. Y.
DiRicco, N. J..108-68 42nd Avenue, Corona, L. I., N. Y.
Ditrano, D. P....325 East 120th Street, New York, N. Y.
Drost, W. J.....162 East 7th Street, New York, N. Y.
Ebenstein, L. L...995 East 181st Street, New York, N. Y.
Emma, J.....2367 - 82nd Street, Brooklyn, N. Y.
Foley, W. J.....9451 - 242nd Street, Bellerose, L. I., N. Y.
Freed, B.....543 - 13th Street, West New York, N. J.
Freeman, H.....851 Tinton Avenue, Bronx, N. Y.
Furst, A.....31-51 - 35th Street, Astoria, L. I., N. Y.
Garrison, E. C.....99 Bay Street, City Island, N. Y.
Geller, A.....3563 - 90th Street, Elmhurst, L. I., N. Y.
Guenther, C. F.....34-07 Jamaica Avenue, Long Island City, N. Y.
Hamburger, E.....32 Lenox Road, Brooklyn, N. Y.
Handelman, M.....1350 Fulton Street, Bronx, N. Y.
Hansen, C. R.....4611 - 6th Avenue, Brooklyn, N. Y.
Harris, H.....747 Melrose Avenue, Bronx, N. Y.
Holden, R.....64 Summit Court, Tottenville, S. I., N. Y.
Hirsch, G. E.....1777 Bryant Avenue, New York, N. Y.
Kantor, C. I.....269 Audubon Avenue, New York, N. Y.
Kiley, J. F.....7903 - 45th Street, Elmhurst, L. I., N. Y.
Kooperstein, J.....1205 College Avenue, Bronx, N. Y.
Kopecky, R. A.....649 Kosciusko Street, Brooklyn, N. Y.
Kopelman, I. L...1181 Eastern Parkway, Brooklyn, N. Y.
Kramer, J. J.....473 Brook Avenue, New York, N. Y.
Krulish, E.....403 East 73rd Street, New York, N. Y.
Krull, P.....784 Fox Street, New York, N. Y.
Leon, D. A.....1197 Grand Concourse, Bronx, N. Y.
Lepart, J. J.....153 Voss Avenue, Yonkers, N. Y.
Levine, L.....1756 Fulton Street, Brooklyn, N. Y.

GENERAL SCIENCE (Continued)

Leverock, S. C..101-45 114th Street, Richmond Hill, N. Y.
Lewis, I. D.....21 East 110th Street, New York, N. Y.
Lipman, A. L....285 West 261st Street, New York, N. Y.
Luna, A. W....2525 Grand Concourse, New York, N. Y.
Martinez, J.....941 Hoe Avenue, Bronx, N. Y.
McArthur, T. J.....25-22 Steinway Street, Long Island City, N. Y.
Mendizza, G. R.....409 69th Street, Brooklyn, N. Y.
Morgan, A. L.....1458 East 56th Street, Brooklyn, N. Y.
Muzelak, M. N....317 East 92nd Street, New York, N. Y.
Neufeld, M.....48 Morton Street, New York, N. Y.
Patlove, M.....585 Quincy Street, Brooklyn, N. Y.
Renstrom, R. R.....2122 Haring Street, Brooklyn, N. Y.
Shottenfeld, R.....3233 Fulton Street, Brooklyn, N. Y.
Wedeman, J. D.....37-14 91st Street, Jackson Heights, L. I., N. Y.

Section III

Brenner, F. G....1399 Jefferson Avenue, Brooklyn, N. Y.
Cohen, S.....1778 East 15th Street, Brooklyn, N. Y.
Crosby, J.....25 East 177th Street, New York, N. Y.
Hally, E. F.....7802 4th Avenue, Brooklyn, N. Y.
Nagoshiner, J. G.....1168 Vyse Avenue, Bronx, N. Y.
Nelson, A. .....83 Lexington Avenue, Port Richmond, S. I., N. Y.
Nesti, A. J.....546 Brace Avenue, Perth Amboy, N. J.
Paolillo, D. J.....454 Carlton Avenue, Brooklyn, N. Y.
Pellegriwi, W. U.....22 King Street, New York, N. Y.
Pettersen, E. A.....10 Beech Street, Crawford, N. J.
Politi, C. J.....1988 Conger Avenue, Bronx, N. Y.
Poock, G. C.....32 St. Marks Avenue, Brooklyn, N. Y.
Reuss, W. P...130 Highpoint Avenue, Weehawken, N. J.
Ringel, P.....565 Elton Street, Brooklyn, N. Y.
Roulett, J. P., Jr.....23 Davis Street, Long Island City, N. Y.
Saraniero, E. J.....1634 55th Street, Brooklyn, N. Y.
Schmidt, F. W.....257 Linden Street, Brooklyn, N. Y.
Schubel, K. E.....179 Madison Avenue, New York, N. Y.
Schuyler, W. F.....22 St. Luke's Place, Montclair, N. J.
Stephensen, F.....Box 203, King's Park, N. Y.
Stolle, A. D....119 South Broadway, White Plains, N. Y.
Sverdlik, I.....144-32 Liberty Avenue, Jamaica, N. Y.
Tarnowsky, E.....20 Yonkers Avenue, Yonkers, N. Y.
Terry, G. C.....143-56 Sanford Avenue, Flushing, L. I., N. Y.
Tracey, F. A.....46 Bidwell Avenue, Jersey City, N. J.
Wolin, M.....105-35 156th Street, Jamaica, L. I., N. Y.

ELECTRICAL ENGINEERING

1935

Section I

Abel, M.....918 President Street, Brooklyn, N. Y.
Aruck, M.....304 East 8th Street, New York, N. Y.
Bergler, R. J.....1981 La Fontaine Avenue, Bronx, N. Y.
Cataldo, V. M....827 Jackson Avenue, New York, N. Y.
Coffey, J. E.....1458 72nd Street, Brooklyn, N. Y.
Coleman, I. M....8 Vermilyea Avenue, New York, N. Y.
Costa, J. F.....7811 19th Avenue, Brooklyn, N. Y.
Ekstrand, S. O.....18 Cole Street, Bergenfield, N. J.
Epstein, L.....25 East Clarke Place, Bronx, N. Y.
Fleischer, H. E.....3752 89th Street, Jackson Heights, L. I., N. Y.
Folgner, H. A..146-33 20th Road, Whitestone, L. I., N. Y.
Franke, H. C.....594 St. Anns Avenue, Bronx, N. Y.
Friedenthal, A.....190 Riverdale Avenue, Bronx, N. Y.
Gartelmann, L. H....1350 Stebbins Avenue, Bronx, N. Y.
Gorin, L.....3100 Hubbard Street, Brooklyn, N. Y.
Gravdal, N.....440 57th Street, Brooklyn, N. Y.
Grutzner, W. E....397 Prospect Avenue, Brooklyn, N. Y.
Hayes, W. S.....80 Dewitt Place, Hackensack, N. J.
Herman, F. A.....475 South Columbus Avenuue, Mount Vernon, N. Y.
Keegan, J. H.....59 South Street, Newark, N. J.
Kluz, W. C.....106 Catskill Avenue, Yonkers, N. Y.
Kornbluth, S. S....2082 Davidson Avenue, Bronx, N. Y.
Kupferman, E. J.....3560 Rochambeau Avenue, Bronx, N. Y.
Landsverk, A. J....935 Broadway, North Bergen, N. J.
Wiener, N.....2357 Davidson Avenue, Bronx, N. Y.

Section II

Koplowitz, S. M..3043 Emmons Avenue, Brooklyn, N. Y.
Krieger, B.....314 East 178th Street, New York, N. Y.
La Rose, W. M...724 East 27th Street, Brooklyn, N. Y.
Lindheimer, E. M.....5201 94th Street, Elmhurst, L. I., N. Y.
Long, L. J.....111 West 16th Street, New York, N. Y.
Mackinnon, R. M...5 West 63rd Street, New York, N. Y.
McMahon, J. J.....1240 Clay Avenue, Bronx, N. Y.
Mily, C. J.....273 East 236th Street, New York, N. Y.
Neely, T. H....139-33 250th Street, Rosedale, L. I., N. Y.
Offt, O.....3130 81st Street, Jackson Heights, L. I., N. Y.
Perlman, I.....1109 Bryant Avenue, Bronx, N. Y.
Prucha, H. E....58 Suffolk Road, Island Park, L. I., N. Y.
Quick, W. S.....518 Trinity Place, Westfield, N. J.
Roiter, A.....39 Rush Street, Brooklyn, N. Y.
Rotella, F.....700 East 163rd Street, Bronx, N. Y.
Scanlon, R. P.....282 Reservoir Place, Bronx, N. Y.
Schmelzer, W.....3423 41st Street, Astoria, L. I., N. Y.
Slack, W. G.....2837 Roebling Avenue, Bronx, N. Y.
Slavik, F. S.....2553 33rd Street, Astoria, L. I., N. Y.
Stern, R....24-49 Goodrich Street, Astoria, L. I., N. Y.
Straub, W. H.....New Bridge Road, North Hackensack, N. J.
Thorsen, T. E.....844 42nd Street, Brooklyn, N. Y.
Visco, P. H.....303 6th Avenue, New York, N. Y.
Westerstrom, C. A.....968 Gillies Avenue, North Bergen, N. J.
White, E. G.....120-36 195th Street, St. Albans, L. I., N. Y.
Wilcox, D.....2444 Walton Avenue, Bronx, N. Y.
Wildfeir, S.....1369 44th Street, Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY

1935

Section I

Axelrod, M....107-13 118th Street, Richmond Hill, N. Y.
Cornacoff, I.....81 Tulip Street, Passaic, N. J.
Ellis, W. A...104-26 124th Street, Richmond Hill, N. Y.
Gladstone, J.....46 Avenue B, New York, N. Y.
Gouguell, B. M.....14 Nathan Davis Place, New York, N. Y.

INSTITUTE OF TECHNOLOGY (Continued)

Hankin, H.....1937 Clinton Avenue, New York, N. Y.
Kaplan, S.....1312 Leland Avenue, Bronx, N. Y.
Kessler, L.....849 East 156th Street, New York, N. Y.
Leves, C. E....347 Danforth Avenue, Jersey City, N. J.
McGuinness, T. P...1668 East 10th Street, Brooklyn, N. Y.
Medoff, J. I.....262 Hewes Street, Brooklyn, N. Y.
Molloy, C. T.....1749 Kimball Street, Brooklyn, N. Y.
Motejzik, C. B.....24-34 43rd Street, Long Island City, N. Y.
Pavlacka, C. J....1807 Crotona Avenue, Bronx, N. Y.
Pisetzner, M....301 East 120th Street, New York, N. Y.
Ribak, T.....116 Clara Street, Brooklyn, N. Y.
Ross, M.....24-54 28th Street, Astoria, L. I., N. Y.
Skrek, F.....56 Paulson Avenue, Ridgefield Park, N. J.
Strauss, H. A.....219-05 Jamaica Avenue, Queens Village, N. Y.
Suesholtz, H. D.....8 Tennis Court, Brooklyn, N. Y.
Sullivan, V.....372 13th Street, Brooklyn, N. Y.
Sussmann, A. W.....88-42 Union Turnpike, Glendale, L. I., N. Y.
Weinstein, S. R.....100 Avenue D, New York, N. Y.
Weyand, R. W.....7612 Colonial Road, Brooklyn, N. Y.
Wolsky, A.....260 Tompkins Avenue, Brooklyn, N. Y.
Zahn, A. W.....43 Lakeside Drive, Rockville Center, L. I., N. Y.

Section II

Baecher, B. J...90-49 52nd Avenue, Elmhurst, L. I., N. Y.
Barry, A. F.....33 Purdy Street, Harrison, N. Y.
Belkin, I.....180 Floyd Street, Brooklyn, N. Y.
Berlin, A.....507 East 45th Street, Brooklyn, N. Y.
Berres, D. S.....2991 Ripple Street, Brooklyn, N. Y.
Book, J. E.....2470 University Avenue, Bronx, N. Y.
Brenner, H.....227 Union Avenue, Mount Vernon, N. Y.
Chibka, C.....2440 Radcliff Avenue, Bronx, N. Y.
D'Elia, M. P.....41 East 98th Street, Brooklyn, N. Y.
Dublin, M.....2505 Lorillard Place, Bronx, N. Y.
Evans, L. M.....South Boulevard, Nyack, N. Y.
Fischler, A.....3066 East 5th Street, Brooklyn, N. Y.
Flaks, S. J.....89 Middleton Street, Brooklyn, N. Y.
Friedland, N.....2800 Bronx Park East, Bronx, N. Y.
Hartman, B. K...86 Longview Avenue, Hackensack, N. J.
Henricksen, A. M.....7205 10th Avenue, Brooklyn, N. Y.
Hilbert, E. A.....289 Cook Avenue, Yonkers, N. Y.
Hirschman, P.....131 East 169th Street, Bronx, N. Y.
Hurd, R. W...East Allendale Avenue, Allendale, N. J.
Johnson, C. H.....909 40th Street, Brooklyn, N. Y.
Kostriza, J. A..80 Brewster Street, Stapleton, S. I., N. Y.
Kudak, W. F.....718 West Blancke Street, Linden, N. Y.
Kumerdank, A. W...239 Battery Avenue, Brooklyn, N. Y.
Lask, G.....67 Grafton Street, Brooklyn, N. Y.
Lehning, T. C.....35-32 29th Street, Astoria, L. I., N. Y.
Lehti, H. J.....1181 Walton Avenue, Bronx, N. Y.
Levine, L.....488 Willoughby Avenue, Brooklyn, N. Y.
Lipsky, R.....320 West 84th Street, New York, N. Y.
McQuilkin, J. H.....3201 Hull Avenue, Bronx, N. Y.
Mofsenson, J.....1363 47th Street, Brooklyn, N. Y.
Philip, F. P.....336 East 13th Street, New York, N. Y.
Plunkett, G. J.....432 73rd Street, Brooklyn, N. Y.
Quinn, J. F.....789 McDonough Street, Brooklyn, N. Y.
Rooney, J. A.....Box 126, Valhalla, N. Y.
Schwartz, E.....273 Dumont Avenue, Brooklyn, N. Y.
Shoor, S.....115 Avenue N, Brooklyn, N. Y.
Weiss, I. H.....1143 St. Johns Place, Brooklyn, N. Y.

Section III

Bernstein, C. I.....8309 20th Avenue, Brooklyn, N. Y.
Chertov, R.....313 East 13th Street, New York, N. Y.
Connelly, W. J.....134 Munro Boulevard, Valley Stream, L. I., N. Y.
Levitsky, J.....109 Clara Street, Brooklyn, N. Y.
Lipschitz, M....726 West Side Avenue, Jersey City, N. J.
Malter, C.....55 Avenue C, New York, N. Y.
Millman, A. B.....3374 12th Avenue, Brooklyn, N. Y.
Moser, C. H.....50 Broadway, Rockville Center, N. Y.
Munroe, D. .....27 Southland Avenue, Rockville Center, L. I., N. Y.
Nicholsberg, C...914 Eastern Parkway, Brooklyn, N. Y.
Nissenbaum, M...1050 DeKalb Avenue, Brooklyn, N. Y.
Partridge, W. F...215 West 23rd Street, New York, N. Y.
Penso, L. E...Crestwood Place, Great Neck, L. I., N. Y.
Peterson, J. D.....485 West 3rd Avenue, Roselle, N. J.
Reynolds, T. W.....326 High Street, Passaic, N. J.
Ross, J. A.....362 17th Street, Brooklyn, N. Y.
Ruzika, J. W.....624 4th Street, Lyndhurst, N. J.
Sandler, A.....159 Beach 81st Street, Rockaway Beach, N. Y.
Seifried, D. B.....Main Street, New City, N. Y.
Shalita, M.....865 DeKalb Avenue, Brooklyn, N. Y.
Shapiro, F.....482 Hancock Street, Brooklyn, N. Y.
Sidoti, F. S.....335 East 55th Street, New York, N. Y.
Skolnick, S. H.....604 Beech Terrace, Bronx, N. Y.
Slamovitz, M. I....567 Gregory Avenue, Passaic, N. J
Slobodow, J....134 Manhattan Avenue, Brooklyn, N. Y.
Sottosanti, J. S.....226 Bruce Park Avenue, Greenwich, Conn.
Stefano, N. M.....122 Glen Avenue, Sea Cliff, N. Y.
Stein, D.....53 Myrtle Avenue, Passaic, N. J.
Stitelman, J....201 West 107th Street, New York, N. Y.
Tedesco, J. T....1404 Prospect Avenue, New York, N. Y.
Turkin, H.....638 Essex Street, Brooklyn, N. Y.
Weinstein, H. H.....7813 68th Avenue, Queens, N. Y.
Wolf, C. A.....166 Stone Avenue, Yonkers, N. Y.
Zeitzoff, S.....1535 77th Street, Brooklyn, N. Y.

ARCHITECTURE

1935

Section I

Abt, J. F.....862 Fresh Pond Road, Ridgewood, N. Y.
Ambruzs, N. J.....157 Avenue F, Bayonne, N. J.
Bassoff, W.....1339 Briston Street, Bronx, N. Y.
Berger, E. A...141 Manhattan Avenue, Brooklyn, N. Y.
Bevacqua, S. J.....326 East 9th Street, Brooklyn, N. Y.
Brettholz, S. S.....2538 Cruger Avenue, Bronx, N. Y.
Candrilli, S.....3 John Street, Roosevelt, L. I., N. Y.
Cottun, L.....687 Prospect Avenue, Bronx, N. Y.
De La Parra, D. J. R.....191-35 116th Avenue, St. Albans, L. I., N. Y.
Federico, W. A....524 37th Street, North Bergen, N. J.
Gamache, L. M.....412 3rd Street, Brooklyn, N. Y.
Goodman, L. W..615 East 136th Street, New York, N. Y.
Halpern, K.....2292 Bathgate Avenue, New York, N. Y.
Klein, B.....551 East 29th Street, Brooklyn, N. Y.
Koling, S.....1672 43rd Street, Brooklyn, N. Y.
Kroeger, M. E....149 Beachwood Avenue, Bogota, N. J.
Lerario, L. F...35-33 31st Street, Long Island City, N. Y.
Levitz, B. H.....438 East 103rd Street, Brooklyn, N. Y.
Moline, J. E....2054 Nostrand Avenue, Brooklyn, N. Y.
Ochitill, J. S....3615 Mermaid Avenue, Brooklyn, N. Y.
Palmeri, J.....141 Park Avenue, Passaic, N. J.
Raia, G. J.....60-41 Maspeth Avenue, Maspeth, L. I., N. Y.
Ross, S.....176 Pennsylvania Avenue, Brooklyn, N. Y.

ARCHITECTURE (Continued)

Runyon, D. I.....49 Van Wagenen Avenue, Jersey City, N. J.
Schmidt, G. O.....1212 Adee Avenue, Bronx, N. Y.
Seiderman, N.....123 East 94th Street, Brooklyn, N. Y.
Smith, F. J.....362 1st Street, Brooklyn, N. Y.
Szaloczi, J.....389 East 138th Street, New York, N. Y.
Tillberg, J. C.....319 Hamilton Avenue, Hasbrock Heights, N. J.
Ward, C. C.....714 Dixie Lane, Plainfield, N. J.

Section II

Anastasia, A. A....1723 Beverly Road, Brooklyn, N. Y.
Asnin, B.....9024 Avenue L, New York, N. Y.
Berland, S.....1161 Sherman Avenue, Bronx, N. Y.
Bock, F. T...114-18 231st Street, Laurelton, L. I., N. Y.
Brody, N. N.....135 Norfolk Street, New York, N. Y.
Deguara, C. S.....112 Willow Street, Brooklyn, N. Y.
Dickson, D. G.....115 Gordon Avenue, North Tarrytown, N. Y.
Gervasi, J. R.....1310 Halsey Street, Brooklyn, N. Y.
Happei, W. A.....120 Pine Street, Jersey City, N. J.
Jensen, W. E.....102 Decker Avenue, Port Richmond, S. I., N. Y.
Koterwas, T.....2132 Gleason Avenue, Bronx, N. Y.
Markard, O.....6115 Madison Street, Brooklyn, N. Y.
Morard, L.....61 West 73rd Street, New York, N. Y.
Murray, D.....324 North Avenue, New Rochelle, N. Y.
Nachmann, M. H....265 East 181st Street, Bronx, N. Y.
Palombo, H.....1461 Madison Avenue, New York, N. Y.
Romond, G.....118 Oliver Street, Rahway, N. J.
Rosenthal, D.....1376 East 2nd Street, Brooklyn, N. Y.
Schepper, N...4214 Carpenter Avenue, New York, N. Y.
Scully, J. S.....3032 89th Street, Jackson Heights, L. I., N. Y.
Sindelar, E. F...517 East 87th Street, New York, N. Y.
Stamm, E. J.....472 East 146th Street, Bronx, N. Y.
Stern, T.....4103 12th Avenue, Brooklyn, N. Y.
Tripoli, N. J....3612 216th Street, Bayside, L. I., N. Y.
Walker, H.....71-28 68th Street, Glendale, L. I., N. Y.
Willis, W. H...824 St. Nicholas Avenue, New York, N. Y.
Zellermayer, M.....2077 Vyse Avenue, Bronx, N. Y.

Section III

Apatov, A. A.....455 Grand Street, New York, N. Y.
Bertucci, J.....711 Bartholdi Street, New York, N. Y.
Cafarelli, E.....77 Ferris Avenue, White Plains, N. Y.
Cerracchio, P.....552 Ocean Avenue, Jersey City, N. J.
Cohen, D. A...1121 West Farms Road, New York, N. Y.
Darwas, J. F.....912 East 169th Street, New York, N. Y.
Drantch, A.....207 Rodney Street, Brooklyn, N. Y.
Freeman, G.....175 Lawrence Avenue, Floral Park, L. I., N. Y.
Gordon, F.....1893 Andrews Avenue, Bronx, N. Y.
Insull, H.....1689 Linden Street, Brooklyn, N. Y.
Kadisch, H. A.....159A 23rd Street, Brooklyn, N. Y.
Lacks, I.....1118 Lincoln Place, Brooklyn, N. Y.
Leibowitz, H.....409 Rodney Street, Brooklyn, N. Y.
Lisinicchia, M.....500 East 11th Street, New York, N. Y.
Messineo, E.....824 Avenue U, Brooklyn, N. Y.
Moskowitz, N.....110 Lewis Street, New York, N. Y.
Noble, S. M.....37-20 81st Street, Jackson Heights, L. I., N. Y.
Olsen, C. O.....61 North Avenue, West New Brighton, S. I., N. Y.
Perla, C.....958 Gillies Avenue, North Bergen, N. J.
Rocca, W.....948 East 219th Street, Bronx, N. Y.
Rosen, B. J.....54 Evelyn Place, Bronx, N. Y.
Russo, J.....7517 11th Avenue, Brooklyn, N. Y.
Schimmenti, M.....58-20 Fresh Pond Road, Maspeth, L. I., N. Y.
Shestilowsky, J.....215 Pennsylvania Avenue, Brooklyn, N. Y.
Smith, R. B.....81 Featherhead Lane, Bronx, N. Y.
Tesoriero, D.....7711 5th Avenue, Brooklyn, N. Y.
Tomash, A.....8640 21st Avenue, Brooklyn, N. Y.
Weinpel, C. G.....106 Sherman Street, Passaic, N. J.
Weter, L. H..130-34 119th Street, Ozone Park, L. I., N. Y.

1936

CHEMICAL ENGINEERING

1936

Aronson, D.....1416 48th Street, Brooklyn, N. Y.
Becker, F. A.....335 South Wellwood Avenue, Lindenhurst, L. I., N. Y.
Benda, G.....454 Seneca Avenue, Ridgewood, Queens, N. Y.
Bergman, R. J.....608 Tinton Avenue, Bronx, N. Y.
Blumenfeld, A. S...49 West 91st Street, New York, N. Y.
Boothby, O. L.....357 9th Street, Brooklyn, N. Y.
Boross, S.....320 East 83rd Street, New York, N. Y.
Cooper, M.....670 East 176th Street, Bronx, N. Y.
Czarnecki, J. D.....10 Skillman Avenue, Jersey City, N. J.
Dalton, W. A.....62-68 Austin Street, Rego Park, L. I., N. Y.
Drimer, D.....2016 Prospect Avenue, Bronx, N. Y.
Elkind, N. T.....380 East 29th Street, Paterson, N. J.
Emigholz, F.....185 Conover Street, Brooklyn, N. Y.
Hill, J. A.....738 Howard Avenue, Brooklyn, N. Y.
Hunger, M.....327 Powell Street, Brooklyn, N. Y.
Johannessen, A. B.....7022 Ridge Boulevard, Brooklyn, N. Y.
Josite, W.....8 Manhattan Avenue, Jersey City, N. J.
Kalifon, S. M.....1760 Montgomery Avenue, New York, N. Y.
Klotzky, B.....1460 Wilkins Avenue, Bronx, N. Y.
Kosinsky, J. J.....389 5th Street, Brooklyn, N. Y.
Langfelder, R. J....208 Washington Place, Passaic, N. J.
Levine, B.....1161 Elder Avenue, Bronx, N. Y.
Lindner, J. A....1708 Woodbine Street, Brooklyn, N. Y.
Marcus, H.....2116 72nd Street, Brooklyn, N. Y.
Penney, W. F...268 Palisade Avenue, Union City, N. J.
Schmitt, P. H., Jr.....1449 Ferris Place, Bronx, N. Y.
Schneider, A.....1831 Sterling Place, Brooklyn, N. Y.
Schramm, L. J.....117-09 130th Avenue, Richmond Hill, N. Y.
Tcatch, D...212-19 113th Avenue, Bellaire, L. I., N. Y.
Tomashevsky, H....376 East 8th Street, New York, N. Y.
Towsley, L. M..1250 Bay Ridge Parkway, Brooklyn, N. Y.
Tucker, A. I.....2751 Curtis Street, East Elmhurst, L. I., N. Y.
Vacca, G. N.....70 Peck Avenue, Newark, N. J.
Wald, N.....748 Trinity Avenue, Bronx, N. Y.

GENERAL SCIENCE

1936

Section I

Ackert, G. F...3528 34th Street, Long Island City, N. Y.
Alvy, D. N. .....1055 Tiffany Street, N. Y.
Anselmo, T...23-49 36th Street, Long Island City, N. Y.
Attardi, J.....339 East 12th Street, New York, N. Y.
Bank, H.....23-5 Lewis Avenue, Brooklyn, N. Y.
Begelman, C. S....615 Kosciusko Street, Brooklyn, N. Y.
Blass, E. J.....721 56th Street, Brooklyn, N. Y.
Botta, A.....411-13 West 44th Street, New York, N. Y.
Capes, L. G.....196 St. John's Avenue, Fort Wadsworth, S. I., N. Y.
Caspersson, S. A.....535 Dean Street, Brooklyn, N. Y.
Chertock, G.....370 Hinsdale Street, Brooklyn, N. Y.
Cohen, H. I.....1018 Hoe Avenue, Bronx, N. Y.
Coonan, L. B.....3879 Flatbush Avenue, Brooklyn, N. Y.
Cupples, J. S.....136 16th Street, Brooklyn, N. Y.
Eichenbaum, L.....535 Greene Avenue, Brooklyn, N. Y.
Fink, M.....1189 Sheridan Avenue, New York, N. Y.
Fiscella, F.....1409 Leland Avenue, Bronx, N. Y.
Fitzgerald, J. J.....28 Marine Avenue, Brooklyn, N. Y.
Flynn, J. T.....352 West 110th Street, New York, N. Y.
Gangi, S. R.....63 Stone Avenue, Brooklyn, N. Y.
Gibbons, W. J.....129 Schermerhorn Street, Brooklyn, N. Y.
Ginesin, S.....518 Hopkinson Avenue, Brooklyn, N. Y.
Gunkel, R. E.....1222 Rogers Avenue, Brooklyn, N. Y.
Horowitz, B.....1723 West 5th Street, Brooklyn, N. Y.
McIver, C. R.....65 Post Avenue, New York, N. Y.
Moviarty, M. M.....14 Irving Place, New York, N. Y.
Roberts, J. A.....601 West 141st Street, New York, N. Y.
Rogove, H.....7 Charles Street, White Plains, N. Y.
Ryan, R. T.....401 19th Street, Brooklyn, N. Y.
Trocker, S....3126 Coney Island Avenue, Brooklyn, N. Y.
Westman, J. F.....419 East 153rd Street, Bronx, N. Y.
Wilson, E. B...181-3 Vermilyea Avenue, New York, N. Y.

Section II

Arth, P. F.....1922 Gates Avenue, Brooklyn, N. Y.
Divan, W. J.....224 Senator Street, Brooklyn, N. Y.
Haberman, M. A..710 East 235th Street, New York, N. Y.
Haddock, P. C.....109-11 109th Street, Ozone Park, L. I., N. Y.
Herdman, A....470 West 166th Street, New York, N. Y.
Horesta, S. G.....225 4th Street, Passaic, N. J.
Hornby, L. A.....31 Belmont Avenue, Jersey City, N. J.
Howard, G. F...6137 Delafield Avenue, New York, N. Y.
Hutton, H. H., Jr.....146 Highview Avenue, New Brighton, S. I., N. Y.
Jahoda, F. W....22-11 25th Street, Astoria, L. I., N. Y.
Kazazian, L. C.....Maple Avenue, Basking Ridge, N. J.
Kirchner, E.....37-40 93rd Street, Elmhurst, L. I., N. Y.
Kligfield, G.....482 Herzl Street, Brooklyn, N. Y.
Koplowitz, M.....2346 80th Street, Brooklyn, N. Y.
Krueger, P. C., Jr.....2107 Tomlinson Avenue, New York, N. Y.
Kugelmas, H.....122 St. Marks Place, New York, N. Y.
Lake, F. J.....128 Parkville Avenue, Brooklyn, N. Y.
Landin, A. D...149 West Tremont Avenue, Bronx, N. Y.
Levi, M.....614 West 138th Street, New York, N. Y.
Lindheimer, W.....1611 2nd Avenue, New York, N. Y.
Linsky, D. J.....1135 54th Street, Brooklyn, N. Y.
Luckner, L. B...8713 Lewis Avenue, Elmhurst, L. I., N. Y.
Marchese, F. J.....485 Central Avenue, Brooklyn, N. Y.
McNerney, J. J...539 West 150th Street, New York, N. Y.
Miller, H. G.....300 East 88th Street, New York, N. Y.
Morano, G...38-75 11th Street, Long Island City, N. Y.
Passel, L.....1536 Seabury Place, Bronx, N. Y.
Riordan, J. A..43-42 45th Street, Long Island City, N. Y.
Rivetz, M.....539 Christopher Avenue, Brooklyn,, N. Y.
Scharf, H. H.....605 Rockaway Avenue, Brooklyn, N. Y.
Wildman, P.....1936 East 8th Street, Brooklyn, N. Y.

Section III

Aussenhofer, F. J.....271 East 197th Street, Bronx, N. Y.
Cherin, R.....2971 Ripple Street, Brooklyn, N. Y.
Geisler, J. G.....114 Suffolk Road, Island Park, N. Y.
Kitt, R. I.....683 East 133rd Street, Bronx, N. Y.
Mayer, J. B.....311 West 112th Street, New York, N. Y.
Nelson, J.....556 St. Paul's Place, Bronx, N. Y.
Odin, V. W....104-54 42nd Avenue, Corona, L. I., N. Y.
Rosen, J.....17 7th Street, New York, N. Y.
Ruchman, J.....834 Hewitt Place, Bronx, N. Y.
Schaaf, G. C....71-29 65th Place, Glendale, L. I., N. Y.
Schmidt, F. J.....334 Wilson Avenue, Brooklyn, N. Y.
Schwartz, R. M.....1561 44th Street, Brooklyn, N. Y.
Segalman, A. L...1339 St. John's Place, Brooklyn, N. Y.
Siegel, L.....96 Grant Avenue, Jersey City, N. J.
Stern, A. B.....2880 East 6th Street, Brooklyn, N. Y.
Stolerov, S.....119 Rodney Street, Brooklyn, N. Y.
Sundermeyer, J. K.....123 North 13th Street, Prospect Park, Paterson, N. J.
Taras, P.....848 Tinton Avenue, Bronx, N. Y.
Thompson, W. N.....40 Jefferson Avenue Jersey City, N. J.
Thuroff, F. H..2323 Merchant Street, Astoria, L. I., N. Y.
Trundo, W. C.....8829 Fort Hamilton Parkway, Brooklyn, N. Y.
Tucker, H.....570 Willoughby Avenue, Brooklyn, N. Y.
Urick, N.....849 East 163rd Street, Bronx, N. Y.
Vinci, C. A.....208 Walker Street, Cliffside Park, N. J.
Wesolowski, E.....328 29th Street, Brooklyn, N. Y.
White, F. E.....319 103rd Street, Corona, L. I., N. Y.
Yesowitz, M.....581 Linwood Street, Brooklyn, N. Y.
Zwecher, A.....1058 Simpson Street, Bronx, N. Y.

ELECTRICAL ENGINEERING

1936

Section I

Adler, H.....1265 East 8th Street, Brooklyn, N. Y.
Berg, S. E.....9413 74th Street, Woodhaven, L. I., N. Y.
Bojarsky, G.....3004 Heath Avenue, Bronx, N. Y.
Burke, J. J.....649 Dahill Road, Brooklyn, N. Y.
Callen, A. S.....368 3rd Avenue, New York, N. Y.
Carlin, J. G.....225 Burns Street, Forest Hills, L. I., N. Y.
Clair, S.....1035 53rd Street, Brooklyn, N. Y.
Cooper, V. D.....2126 East 7th Street, Brooklyn, N. Y.
Daguid, R. B.....167 Linden Boulevard, Brooklyn, N. Y.
Franz, R.....506 East 82nd Street, New York, N. Y.
Frascella, T. J.....779 Livonia Avenue, Brooklyn, N. Y.
Gademann, O. M.....520 Evergreen Avenue, Brooklyn, N. Y.
Garrison, V. L.....91 Andros Avenue, Mariners Harbor, N. Y.
Gelbart, A.....219 Keen Street, Paterson, N. J.
Gill, J. J.....37-06 65th Street, Woodside, L. I., N. Y.

ELECTRICAL ENGINEERING (Continued)

Goldberg, M.....618 Franklin Street, Elizabeth, N. J.
Gorman, C. E.....153-24 Sanford Avenue, Flushing, L. I., N. Y.
Grutzner, H.....397 Prospect Avenue, Brooklyn, N. Y.
Haje, A. J.....134-15 220th Street, Springfield Gardens, L. I., N. Y.
Halliday, R. S...122 West 11th Street, New York, N. Y.
Hippe, A. H.....2600 University Avenue, Bronx, N. Y.
Holdsworth, W....2210 Harmon Street, Brooklyn, N. Y.
Irwin, B.....141 West 97th Street, New York, N. Y.
Jacobs, F. F.....604 Flatbush Avenue, Brooklyn, N. Y.
Kilmer, R. K....103-21 169th Street, Jamaica, L. I., N. Y.
Kovacsevics, G. M.....96 Derby Street, Valley Stream, L. I., N. Y.
Kugler, L.....405 Murphy Place, West New York, N. J.
Lauffer, O.....720 St. Marys Street, Bronx, N. Y.
Lukanitsch, L. R..618 West 135th Street, New York, N. Y.
Mager, I. A....487 Columbus Avenue, New York, N. Y.
Matson, D. L.....50 Turner Place, Brooklyn, N. Y.
Mihalik, J. J.....52 East Clifton Avenue, Clifton, N. J.
Pappas, L. A.....475 4th Avenue, New York, N. Y.
Slechta, A. G.....Powderhorn Road, Ardsley, N. Y.
Tanner, T. L.....311 Oak Avenue, Oakwood Heights, S. I., N. Y.
Wegele, R. V.....215 East 89th Street, New York, N. Y.

Section II

Cuttica, H.....408 West 46th Street, New York, N. Y.
Dlugatch, I.....325 DeKalb Avenue, Brooklyn, N. Y.
Douthit, R.....310 West 153rd Street, New York, N. Y.
Isherwood, H.....25-47 36th Street, Astoria, L. I., N. Y.
Kaminshy, M.....126 Clara Street, Brooklyn, N. Y.
Larkin, J. P....401 East 142nd Street, New York, N. Y.
Milark, H. W...102-10 135th Street, Richmond Hill, N. Y.
Munn, A. J.....151 Jay Avenue, Lyndhurst, N. J.
Noelle, H. C.....1133 Teller Avenue, Bronx, N. Y.
Normann, J. A....1142 Handcock Street, Brooklyn, N. Y.
Oakwood, E. F.....311 East 38th Street, Brooklyn, N. Y.
O'Donnell, J. J.....395 16th Street, Brooklyn, N. Y.
Orellana, I. G...8817 50th Avenue, Elmhurst, L. I., N. Y.
Osterholz, D. M.....60-15 Woodbine Street, Ridgewood, L. I., N. Y.
Perlman, I. ....2113-23rd Avenue, Astoria, L. I., N. Y.
Pulley, L. A.....445 West 2nd Avenue, Roselle, N. J.
Reed, P.....338 East 9th Street, New York, N. Y.
Riccio, A. J.....60 Wright Avenue, Jersey City, N. J.
Rich, A. J.....178 Blake Avenue, Brooklyn, N. Y.
Richtarcsik, F.....96 Clinton Place, Yonkers, N. Y.
Scanlon, J. J.....21 Walnut Terrace, Bloomfield, N. J.
Schaible, G. J....127 DeKalb Avenue, Jersey City, N. J.
Schumacher, H.....80 16th Street, Brooklyn, N. Y.
Shachmut, W...34-20 Grand Avenue, Astoria, L. I., N. Y.
Shafiroff, H.....2871 West 30th Street, Brooklyn, N. Y.
Smith, A. R.....90 Pinehurst Avenue, New York, N. Y.
Smith E. V.....1153 Grand Concourse, Bronx, N. Y.
Somerville, J.....484 8th Street, Brooklyn, N. Y.
Springer, G. T.....401 28th Street, Woodcliff, N. J.
Taylor, R. G.....144 Palisade Avenue, Union City, N. Y.
Velleman, J.....326 St. Johns Place, Brooklyn, N. Y.
Warren, C. A.....967 West 4th Street, Plainfield, N. J.
Way, M. T.....3103 Snyder Avenue, Brooklyn, N. Y.
Weiss, J.....24 Bay 32nd Street, Brooklyn, N. Y.
Wiesendanger, E. J...89 Douglas Avenue, Yonkers, N. Y.
Wilson, G. H.....104-67 125th Street, Richmond Hill, L. I., N. Y.
Zenoni, W. E...2750 Paulding Avenue, New York, N. Y.

INSTITUTE OF TECHNOLOGY

1936

Section I

Adamo, J. J.....240 Elizabeth Street, New York, N. Y.
Baptista, F. W...510 West 162nd Street, New York, N. Y.
Becker, L.....595 Sackman Street, Brooklyn, N. Y.
Blatt, S.....243 South 10 Avenue, Mount Vernon, N. Y.
Breitman, H.....317 Hewes Street, Brooklyn, N. Y.
Burger, E. H...6809 Owls Head Court, Brooklyn, N. Y.
Buy, W. T.....610 Brookside Place, Plainfield, N. J.
Capo, J. J.....2106 35th Street, Astoria, L. I., N. Y.
Cesaletti, L. F.....19 Knapp Avenue, Clifton, N. Y.
Cooper, G. T.....662 Bergen Avenue, Jersey City, N. J.
Decker, H. D.....934 East 179th Street, New York, N. Y.
Demasi, R.....189 Harbor Road, Marine Harbor, S. I., N. Y.
Diamond, A. E....86 Washington Place, Passaic, N. J.
D'Onofrio, M. D.....503 Glebe Street, Orange, N. J.
Doran, T. R.....990 2nd Avenue, New York, N. Y.
Dowden, P. R.....1213 Vyse Avenue, Bronx, N. Y
Eckstein, B.....207 Graham Avenue, Brooklyn, N. Y.
Ettensperger, R. D.....10 Horace Place, Sea Cliff, L. I., N. Y.
Feldmesser, P.....168 East 81st Street, New York, N. Y.
Fisher, E. G.....700 East 139th Street, Bronx, N. Y.
Fleit, M.....2162 69th Street, Brooklyn, N. Y.
Fletcher, R. J.....38-11 Parsons Boulevard, Flushing, L. I., N. Y.
Foust, C. W.....1196 Long Avenue, Hillside, N. J.
Fox, S.....2120 71st Street, Brooklyn, N. Y.
Hirsh, W. S.....1727 58th Street, Brooklyn, N. Y.
Horowitz, W.....237 East 12th Street, New York, N. Y.
Iannone, A. J.....256 New Street, Orange, N. J.
Kleban, B.....1117 53rd Street, Brooklyn, N. Y.
Klepper, J. J.....976 Home Street, Bronx, N Y.
McGowan, J. O.....511 Hillcrest Avenue, New Rochelle, N. Y.
Merl, S.....232 Hart Street, Brooklyn, N. Y.
Mitchell, W. L...88 Fort Greene Place, Brooklyn, N. Y.
Schwartz, F..1268 East New York Avenue, Brooklyn, N. Y.
Vreeland, G. W...1647 West 11th Street, Brooklyn, N. Y.

Section II

Conners, B. T.....125 Claremont Avenue, Mount Vernon, N. Y.
Gerhold, R. A...1439 Prospect Avenue, New York, N. Y.
Glass, S.....264 Ryerson Street, Brooklyn, N. Y.
Goldstein, A...364 Montgomery Street, Brooklyn, N. Y.
Goldstein, F. L.....935 Kelly Street, Bronx, N. Y.
Gould, E. N.....205 East 79th Street, New York, N. Y.
Grady, A. B.....8742 Elmhurst Avenue, Elmhurst, L. I., N. Y.
Grossman, B.....454 Paulison Avenue, Passaic, N. J.
Haldi, V. F.....41-49 54th Street, Woodside, L. I., N. Y.
Halpern, E.....1121 Morrison Avenue, New York, N. Y.
Harris, F. H.....582 Union Avenue, Belleville, N. J.
Heine, H. W.....1193 Fulton Avenue, New York, N. Y.
High, R. V.....211 Elm Street, Cranford, N. J.
Hopenwasser, C. .....164 Beach Street, Rockaway Beach, N. Y.
Hughes, J. G.....12 East 39th Street, Bayonne, N. J.
Hutcheon, C. F....31-31 41st Street, Astoria, L. I., N. Y.
Jageler, W. H.....103-35 97th Street Ozone Park, L. I., N. Y.
Jud, E. J.....184-10 89th Avenue, Hollis, L. I., N. Y.

INSTITUTE OF TECHNOLOGY (Continued)

Kapian, G.....80 Hole Avenue, Passaic, N. J.
Klein, D. J...1750 Montgomery Avenue, New York, N. Y.
Koenig, F. V., Jr...2120 22nd Drive, Astoria, L. I., N. Y.
Kogan, W.....1011 Winthrop Street, Brooklyn, N. Y.
Korn, F.....326 East 100th Street, New York, N. Y.
Last, B.....589 Tinton Avenue, Bronx, N. Y.
Le Maire, J. A...231 Otis Avenue, New Dorp, S. I., N. Y.
Levine, A. M.....162 Chester Street, Brooklyn, N. Y.
Levinson, M.....8745 26th Avenue, Brooklyn, N. Y.
Lieber, H. G....8049 88th Road, Woodhaven, L. I., N. Y.
Saarinen, H. O.....139 Lenox Avenue, Maywood, N. J.
Schwarzer, K. P.....50-10 94th Street, Elmhurst, L. I., N. Y.

Section III

Atherton, F.....174 Osborn Road, Harrison, N. Y.
Baranoff, M.....450 Throop Avenue, Brooklyn, N. Y.
Cardenas, L. F.....2132 2nd Avenue, New York, N. Y.
Guttenmacher, D...300 Georgia Avenue, Brooklyn, N. Y.
King, J. J.....685 Sterling Place, Brooklyn, N. Y.
Levy, S.....69 Mangin Street, New York, N. Y.
Lipschitz, D.....4612 12th Avenue, Brooklyn, N. Y.
Maltz, J.....2228 Amsterdam Avenue, New York, N. Y.
Mazurkiewicz, S...228 Prospect Avenue, Brooklyn, N. Y.
McAnliffe, J. J.....133 Beach 80th Street, Rockaway Beach, N. Y.
Mikulka, C.....478 Brook Avenue, New York, N. Y.
Mitchell, H. I.....972 Leggett Avenue, New York, N. Y.
Molema, N. A.....324 St. Mark's Avenue, Bellmore, L. I., N. Y.
Moore, V. T...88 Park Avenue, Port Washington, N. Y.
Naugle, E. R.....Middletown Road, Pearl River, N. Y.
Nowaski, T. J.....243 Hart Street, Brooklyn, N. Y.
Owen, P. H.....17 Orchard Street, Huntington, N. Y.
Patt, A.....315 Hopkinson Avenue, Brooklyn, N. Y.
Peirano, J. J.....1684 West 10th Street, Brooklyn, N. Y.
Pincus, S.....2800 Bronx Park East, Bronx, N. Y.
Pollyea, M. H.....60 Elgin Court, Brooklyn, N. Y.
Potegal, S.....308 Glenmore Avenue, Brooklyn, N. Y.
Quackenbush, W. R.....25 4th Avenue, Nyack, N. Y.
Rosenberg, H. E...210 East Henry Street, Linden, N. J.
Samberg, M....2032 Creston Avenue, New York, N. Y.
Schenker, B..1308 Palisade Plaza, Hudson Heights, N. J.
Scott, W. R.....1101 Hunter Avenue, Pelham, N. Y.
Shanahan, L. W.....34 Highland Avenue, Port Washington, N. Y.
Silvers, H.....352 East 8th Street, Brooklyn, N. Y.
Smith, H. W.....143-46 Franklin Avenue, Flushing, L. I., N. Y.

Section IV

Forsythe, T.....119 West 123rd Street, New York, N. Y.
Goldman, L....38 Myrtle Avenue, Spring Valley, N. Y.
Golub, E.....405 Quentin Road, Brooklyn, N. Y.
Graus, H.....1617 Prospect Place, Brooklyn, N. Y.
Kisbany, E.....444 83rd Street, Brooklyn, N. Y.
Marrone, A. A.....133 North 5th Avenue, Mount Vernon, N. Y.
Mitchell, H. B.....9 Beatrice Avenue, Oceanside, N. Y.
Schechter, B.....544 Bedford Avenue, Brooklyn, N. Y.
Shapiro, J. H.....91 Columbia Avenue, Passaic, N. J.
Solomon, I. H.....2252 64th Street, Brooklyn, N. Y.
Sonner, E. W.....9119 Hollis Court Boulevard, Queens Village, L. I., N. Y.
Staaterman, H. G.....574 West 182nd Street, New York, N. Y.
Stearn, B.....668 Riverside Avenue, Brooklyn, N. Y.
Steinman, H. A..1784 Prospect Avenue, New York, N. Y.
Stillman, I.....178 West Runyon Street, Newark, N. J.
Stodola, E. K.....600 East 26th Street, Brooklyn, N. Y.
Stumff, C. L..2804 Bainbridge Avenue, New York, N. Y.
Swenson, A. S.....660 71st Street, Brooklyn, N. Y.
Swenson, L. K.....213 East 69th Street, New York, N. Y.
Teitler, A.....109-18 119th Street, Richmond Hill, N. Y.
Trella, J. J.....540 Van Houten Avenue, Clifton, N. J.
Van Horn, J. E.....106 Twombly Avenue, Bay Terrace, S. I., N. Y.
Van Name, E. K..81 Douglas Road, Stapleton, S. I., N. Y.
Van Rensselaer, S. K.....36-40 Bowne Avenue, Flushing, L. I., N. Y.
Wales, H. M.....2 Sylvan Place, New Rochelle, N. Y.
Weber, J. A.....1265 College Avenue, New York, N. Y.
Weekman, L.....90-07 171st Street, Jamaica, N. Y.
Weinstein, S....551 New Jersey Avenue, Brooklyn, N. Y.
White, R R...17 Monroe Street, Port Washington, N. Y.
Wilensky, J. N....427-29 Atkins Avenue, Brooklyn, N. Y.
Wilhelmy, C. E.....117 34th Street, Union City, N. J.
Winton, H.....76 South Village Avenue, Rockville Centre, N Y.
Wiswall, J. M.....Old Dock Road, Closter, N. J.
Wolk, M.....660 Avenue C, Bayonne, N. J.
Yokota, G. J....301 West 112th Street, New York, N. Y.
Zelman, F.....Maple Avenue, Monsey, N. Y.
Zucker, D.....1683 Boston Road, Bronx, N. Y.

ARCHITECTURE

1936

Section I

Abbate, A. J.....508 East 14th Street, New York, N. Y.
Abruzzese, F. R.....66 Maujer Street, Brooklyn, N. Y.
Acampora, S.....565 East 181st Street, Bronx, N. Y.
Agranov, M. A...51 West 12th Street, New York, N. Y.
Apostolou, N.....86 Quentin Road, Brooklyn, N. Y.
Arluck, M. I.....1579 West 6th Street, Brooklyn, N. Y.
Auerbach, S.....824 New Lots Avenue, Brooklyn, N. Y.
Beinert, J. D....20-25 Silver Street, Queen City, N. Y.
Borch, A. C.....6902 Ridge Boulevard, Brooklyn, N. Y.
Brady, E. J.....4505 Fort Hamilton Parkway, Brooklyn, N. Y.
Brown, E.....929 48th Street, Brooklyn, N. Y.
Cantor, L.....1703 St. John's Place, Brooklyn, N. Y.
Carlisle, K. R.....156 Beechwood Avenue, New Brighton, S. I., N. Y.
Cassidy, W. J.....87 Hicks Street, Brooklyn, N. Y.
Charleston, M. J.....593 Van Sicklen Avenue, Brooklyn, N. Y.
Clapman, A.....443 West 44th Street, New York, N. Y.
Cochran, S. R...155 Orchard Street, City Island, N. Y.
Cohen, J.....680 East 140th Street, Bronx, N. Y.
Cona, P. I.....354 14th Street, Brooklyn, N. Y.
Coruzzi, A. G.....251 East 45th Street, New York, N. Y.
Creelman, J. A....3 North Terrace, Maplewood, N. Y.
Crimmins, J. A....166 Bergen Avenue, Jersey City, N. J.
Dalton, G. F.....401 Vernon Avenue, Long Island City, N. Y.
Dela Motte, R. E.....911 Hoboken Street, North Bergen, N. J.
Dellano, J. A.....113 Carroll Street, Brooklyn, N. Y.
Dingenthal, J.....1265 Walton Avenue, Bronx, N. Y.
Di Paola, B.....556 River Street, Paterson, N. J.
Elbaum, M. C.....2069 60th Street, Brooklyn, N. Y.
Friedman, S.....2241 Ocean Avenue, Brooklyn, N. Y.
Goodman, S.....3718 Poplar Avenue, Brooklyn, N. Y.
Holt, F. A.....Washington Avenue, Pearl River, N. Y.
Jensky, A. W.....30 West 71st Street, New York, N. Y.

ARCHITECTURE (Continued)

Section II

Alexander, B. E.....246 Lee Avenue, Yonkers, N. Y.
Beyns, C.....431 East 16th Street, New York, N. Y.
Farley, J. E.....21 Convent Avenue, Bronx, N. Y.
Feldman, D.....5108 Fort Hamilton Parkway, Brooklyn, N. Y.
Fenig, I.....501 Alabama Avenue, Brooklyn, N. Y.
Frauenthal, H. C., Jr.....151 West 86th Street, New York, N. Y.
Friedman, D. W....250 Grafton Street, Brooklyn, N. Y.
Goldman, S.....2005 Vyse Avenue, Bronx, N. Y.
Goldstein, G.....218 Barrett Street, Brooklyn, N. Y.
Greenberg, S. L..206 West 104th Street, New York, N. Y.
Grossman, L.....154 Avenue C, New York, N. Y.
Gulko, S....1242 Washington Avenue, New York, N. Y.
Halse, O. C...500 West 122nd Street, New York, N. Y.
Hanpashian, E..25-56 34th Street, Long Island City, N. Y.
Harrison, J.....614 Banner Avenue, New York, N. Y.
Heffan, B. A.....480 East 179th Street, Bronx, N. Y.
Herman, N.....1408 Franklin Avenue, Bronx, N. Y.
Hesselson, H. P.....1152 Simpson Street, Bronx, N. Y.
Hoffzimer, I.....1231 43rd Street, Brooklyn, N. Y.
Huberman, S.....1515 Boston Road, New York, N. Y.
Ingram, H. G....117 4th Street, Ridgefield Park, N. J.
Irwin, E. H.....9 Lindberg Street, West Hempstead, L. I., N. Y.
Issaacs, B. E.....1184 Walton Avenue, Bronx, N. Y.
Jahrling, F. A.....130-13 146th Street, South Ozone Park, L. I., N. Y.
Kanzaki, S.....379 Main Street, East Orange, N. J.
Kaporowsky, J.....312 Kosciusko Street, Brooklyn, N. Y.
Kerner, J.....115 Lee Avenue, Brooklyn, N. Y.
Kock, H. R.....24-46 26th Street, Astoria, L. I., N. Y.

Section III

Cohen, S.....1224 College Avenue, Bronx, N. Y.
Kohl, E. B.....903 43rd Street, Brooklyn, N. Y.
Koszalka, J. J.....140 North 8th Street, Brooklyn, N. Y.
Larson, A.....1251 Grant Avenue, New York, N. Y.
Lee, L. A.....5 West 63rd Street, New York, N. Y.
Lo Bue, F. R....864 Cauldwell Avenue, New York, N. Y.
Loutzker, M. M.....7516 18th Avenue, Brooklyn, N. Y.
Lynch, P. J.....461 17th Street, Brooklyn, N. Y.
Marane, A. C.....1558 75th Street, Brooklyn, N. Y.
McDonough, F. J.....625 Sheridan Avenue, Plainfield, N. J.
Merletto, A. L.....262 Cliff Street, Fairview, N. J.
Messner, ...120 East 7th Street, New York, N. Y.
Monak, E. G.....3128 Fairfield Avenue, Bronx, N. Y.
Monteferrante, H.....2446 Lorrillard Place, New York, N. Y.
Montrose, L.....964 Eastern Parkway, Brooklyn, N. Y.
Murphy, F. A.....578 78th Street, Brooklyn, N. Y.
Neidig, F. H.....12 Chatham Place, North Plainfield, N. J.
Oliveri, J.....2418 Cambreling Avenue, Bronx, N. Y.
Orlansky, R.....402 East 65th Street, New York, N. Y.
Otranto, A.....1760 71st Street, Brooklyn, N. Y.
Pellegrinelli, H. J.....107-06 34th Avenue, Corona, L. I., N. Y.
Anthony, J. P....384 Pleasant Avenue, New York, N. Y.
Plotnick, M.....1162 45th Street, Brooklyn, N. Y.
Prochaska, F.....8447 Dana Court, Elmhurst, L. I., N. Y.
Raskin, B.....30 Clarke Place, New York, N. Y.
Rathofer, A. A.....746 9th Avenue, New York, N. Y.
Ross, I.....1114 Ward Avenue, Bronx, N. Y.
Rossi, L., Jr.....465 Walker Street, Fairview, N. J.
Royce, F.....623 West 207th Street, New York, N. Y.
Salaff, M. P.....608 Lincoln Place, Brooklyn, N. Y.
Schroeder, E. H.....Main Street, Pearl River, N. Y.
Steinman, M. M.....24 Tulip Street, Passaic, N. J.

Section IV

La Barbiera, J.....72 10th Street, Woodridge, N. J.
Rubenstein, S.....374 South 5th Street, Brooklyn, N. Y.
Rubin, S.....1142 Metcalf Avenue, New York, N. Y.
Saulino, N. G...1590 Lexington Avenue, New York, N. Y.
Schenker, M.....228 Stockton Street, Brooklyn, N. Y.
Schoeler, R.....66 Howard Avenue, Brooklyn, N. Y.
Scott, H. F....62 Clendenny Avenue, Jersey City, N. J.
Shankev, J. H.....1471 St. Mark's Avenue, Brooklyn, N. Y.
Shimansky, E....234 East 23rd Street, New York, N. Y.
Silleg, A...2-4355 De Reimer Avenue, New York, N. Y.
Singer, A. C...1742 Topping Avenue, New York, N. Y.
Smilowitz, M.....1454 Walton Avenue, Bronx, N. Y.
Sokoloff, A.....1014 Eastern Parkway, Brooklyn, N. Y.
Soverel, S. H., Jr..449½ Hudson Street, New York, N. Y.
Stein, M. B.....300 West Broadway, Long Beach, N. Y.
Stevens, E. N.....405 South Columbus Avenue, Mount Vernon, N. Y.
Tebbutt, H. J....343 East 142nd Street, New York, N. Y.
Tisseubaumm, S....2055 Prospect Avenue, Bronx, N. Y.
Vasi, L. J.....1020 East 219th Street, Bronx, N. Y.
Wexler, S. M.....1878 Harrison Avenue, Bronx, N. Y.
Wiiri, P. T.....511 West 179th Street, New York, N. Y.
Wildermuth, E. E.....1375 Leland Avenue, Bronx, N. Y.
Yacomelli, A. J..97 Greenville Avenue, Jersey City, N. J.
Zerman, S.....1101 Briar Way, Palisade, N. J.
Zimmerman, H.....2504 Bronx Park East, Bronx, N. Y.
Zinner, J. R.....137 Broad Avenue, Fairview, N. J.
Zuckerman, A. A...1317 Franklin Avenue, Bronx, N. Y.

1938

NIGHT SCHOOL OF ENGINEERING

1938

Section I

Adams, F. C.....1233 Broadway, Brooklyn, N. Y.
Adams, J. C.....64 Linden Avenue, Jersey City, N. J.
Albrecht, F. W...4325 Katonah Avenue, New York, N. Y.
Andreae, O. A., Jr..300 East 88th Street, New York, N. Y.
Athey, M. J....4741 39th Place, Long Island City, N. Y.
Autere, R. J.....3975 Hyland Boulevard, Great Kills, S. I., N. Y.
Barker, J. G...6354 Fresh Pond Road, Ridgewood, N. Y.
Barrett, B. R.....37 Avon Place, S. I., N. Y.
Bartalomucci, E. V.....20 Warren Avenue, Roselle Park, N. J.
Bateman, J. F.....6 Claremont Place, Bloomfield, N. J.
Baumgart, W. A.....259 Stanley Avenue, S. I., N. Y.
Berg, D. W.....1018 43rd Street, Brooklyn, N. Y.
Blumberg, W. F...3711 98th Street, Corona, L. I., N. Y.
Bacher, J. M.....2319 East 21st Street, Brooklyn, N. Y.

NIGHT SCHOOL OF ENGINEERING (Continued)

Brady, F. T.....186 East End Avenue, New York, N. Y.
Brehm, H. B...33 Monticello Avenue, Jersey City, N. J.
Broad, W. C.....94 East 44th Street, Bayonne, N. J.
Brown, G. F.....5 West 91st Street, New York, N. Y.
Bruckenthal, M....321 East 18th Street, New York, N. Y.
Brushawsky, R.....81 Blake Avenue, Brooklyn, N. Y.
Buchenbaum, M.....308 Henry Street, New York, N. Y.
Burke, A. W....568 West 173rd Street, New York, N. Y.
Burt, S. M.....14 Hillcrest Avenue, Cranford, N. J.
Cantor, B.....2404 83rd Street, Brooklyn, N. Y.
Capasso, M. V.....282 St. Mary's Avenue, Rosebank, S. I., N. Y.
Carr, R W....69 Greely Avenue, New Dorp, S. I., N. Y.
Caso, J. S.....7 Smith Street, Perth Amboy, N. J.

Section II

Charnick, M.....915 Elsmere Place, New York, N. Y.
Chasan, R.....1917 Walton Avenue, Bronx, N. Y.
Chichester, K. J.....25-18 12th Street, Astoria, L. I., N. Y.
Ciasca, N. R.....33-23 99th Street, Corona, L. I., N. Y.
Cohen, L. N.....560 Beck Street, New York, N. Y.
Cohen, S. F.....2855 West 30th Street, Brooklyn, N. Y.
De Angelis, A.....502 East 189th Street, Bronx, N. Y.
Del Papa, F.....2336 64th Street, Brooklyn, N. Y.
Demarest, E. L.....154 State Street, Hackensack, N. J.
Diamond, G. B...1602 President Street, Brooklyn, N. Y.
Dorman, I.....355 Chester Street, Brooklyn, N. Y.
Drew, T. P.....80 West 169th Street, New York, N. Y.
Duberstein, M...960 Avenue St. John, New York, N. Y.
Ebenstein, L.....995 East 181st Street, Bronx, N. Y.
Edelman, C. S.....2623 Avenue P, Brooklyn, N. Y.
Einenkel, H. S.....60-56 68th Road, Brooklyn, N. Y.
Espell, M.....666 Warwick Street, Brooklyn, N. Y.
Espenschied, W. L.....101 Jewett Avenue, Jersey City, N. J.
Esten, L.....9752 75th Street, Ozone Park, L. I., N. Y.
Ezell, E. J.....299 Fairmount Avenue, Jersey City, N. J.
Farren, J. J...115 Grand Avenue, Ridgefield Park, N. J.
Federman, H. L.....717 DeKalb Avenue, Brooklyn, N. Y.
Feiger, S.....1406 Townsend Avenue, New York, N. Y.
Feinstein, S.....532 East 172nd Street, New York, N. Y.
Fischer, E. F.....649 East 223rd Street, New York, N. Y.
Fischer, W. F.....110 Bennett Avenue, Yonkers, N. Y.
Fitzgerald, G. V...699 Chauncey Street, Brooklyn, N. Y.
Franz, H. W.....8821 138th Street, Jamaica, L. I., N. Y.

Section III

Garner, F. R.....350 Weirfield Street, Brooklyn, N. Y.
Gerard, M. K.....508 Brady Avenue, Ridgefield, N. J.
Gertler, J.....1631 Walton Avenue, Bronx, N. Y.
Gigante, M.....57 East 97th Street, New York, N. Y.
Golz, S.....236 14th Street, West New York, N. Y.
Green, W. F.....2108 East 7th Street, Brooklyn, N. Y.
Greenberg, A.....21 East 40th Street, Bayonne, N. J.
Greenberg, J. S...109 Wayne Street, Jersey City, N. J.
Greenfeld, C.....456 East 32nd Street, Paterson, N. J.
Greenspan, S.....13 Suffolk Street, New York, N. Y.
Gross, J. S...4703 New Utrecht Avenue, Brooklyn, N. Y.
Gross, S. C.....326 East 58th Street, New York, N. Y.
Grossman, E.....1565 East 32nd Street, Brooklyn, N. Y.
Gumbrecht, J. O.....162-22 78th Avenue, Flushing, L. I., N. Y.
Guzzardi, S.....1831 55th Street, Brooklyn, N. Y.
Haar, H.....295 Avenue S, Brooklyn, N. Y.
Haldenwang, J. C.....59-15 Woodbine Street, Brooklyn, N. Y.
Halpern, S.....667 Union Avenue, New York, N. Y.
Harris, G.....208 Neptune Avenue, Brooklyn, N. Y.
Hayman, H.....242 Clinton Street, New York, N. Y.
Hefele, L. J.....2476 Elm Place, New York, N. Y.
Heiser, W. T.....170-05 118th Road, Jamaica, L. I., N. Y.
Heller, S.....323 West 23rd Street, New York, N. Y.
Hill, G. F.....562 Hillside Street, Ridgefield, N. J.
Hochstein, C.....1321 Franklin Avenue, New York, N. Y.
Hockenjos, R. M.....335 East 166th Street, Bronx, N. Y.
Holley, H. L.....Beebee Road, Mineola, N. Y.
Hollingsworth, L. P...1296 Pacific Street, Brooklyn, N. Y.

Section IV

Hornickel, H. C.....2418 Tratman Avenue, Bronx, N. Y.
Horowitz, J. D.....215 East 54th Street, Brooklyn, N. Y.
Hosler, C. F.....111 East 118th Street, New York, N. Y.
Jaffe, E.....2164 Prospect Avenue, New York, N. Y.
Jahrling, R. J.....772 9th Avenue, New York, N. Y.
Johnson, P. M.....1067 70th Street, Brooklyn, N. Y.
Johnson, W. A.....267 Halsey Street, Brooklyn, N. Y.
Jonke, J.....628 East 17th Street, Brooklyn, N. Y.
Kalfain, E. H....1 Underwood Place, Jersey City, N. J.
Kane, B. J.....106-08 Washington Avenue, Rockaway Beach, N. Y.
Kane, H. A.....16 Norwood Avenue, Glen Rock, N. J.
Kardon, B.....1060 Stell Place, Bronx, N. Y.
Karney, J.....3 Rutgers Place, New York, N. Y.
Karp, H. J.....135 Avenue P, Brooklyn, N. Y.
Katz, Ruth.....1115 College Avenue, Bronx, N. Y.
Kaufman, W. L...71 Vermilyea Avenue, New York, N. Y.
Keaveny, T. P...438 West 58th Street, New York, N. Y.
Kertesz, C.....22-21 24th Street, Astoria, L. I., N. Y.
Kettleman, E. V...6426 65th Lane, Maspeth, L. I., N. Y.
Klein, W.....1357 Southern Boulevard, Bronx, N. Y.
Knaizuk, M.....614 Franklin Street, Elizabeth, N. J.
Koomanoff, T. A..188 West 101st Street, New York, N. Y.
Koretsky, S.....1831 Marmion Avenue, New York, N. Y.
Korwasky, J.....421 East 16th Street, New York, N. Y.
Kozlowski, J. J.....132 Steuben Street, Jersey City, N. J.
Krebs, H.....5210 Snyder Avenue, Brooklyn, N. Y.
Kroatshunok, J....512 East 12th Street, New York, N. Y.
Kuhnbaum, G. W.....591 East 135th Street, New York, N. Y.

Section V

Kuzmick, J.....13 Holden Street, Clifton, N. J.
Lader, J. B.....1540 Seabury Place, New York, N. Y.
Lahm, P. S.....2379 Hudson Terrace, Coytesville
Leen, J. J.....2622 25th Street, Brooklyn, N. Y.
Lehrman, P.....1770 Mahan Avenue, New York, N. Y.
Lemchen, P.....768 Boulevard, Bayonne, N. J.
Lessersohn, H.....916 Stebbins Avenue, Bronx, N. Y.
Levada, A. R.....2151 Ryder Street, Brooklyn, N. Y.
Levinson, N...1727 East 172nd Street, New York, N. Y.
Lieber, J. A.....8049 88th Road, Woodhaven, L. I., N. Y.
Lindyberg, V. S.....757 47th Street, Brooklyn, N. Y.
Lipowitz, N. S.....590 20th Avenue, Paterson, N. J.
Loeffler, C. N.....375 4th Street, Brooklyn, N. Y.
Lopow, L.....536 Vermont Street, Brooklyn, N. Y.
Luars, C. H.....979 Grace Terrace, Teaneck, N. J.
Lubcker, H. K...1565 Rowland Street, Westchester, N. Y.
MacWhorter, S. B.....411 Applegate Court, Brooklyn, N. Y.
Mancusi, J. A.....62 Weaver Street, Larchmont, N. Y.
Marshall, J. L.....8521 168th Street, Jamaica, N. Y.
Matthews, W. D.....51 Leslie Street, East Orange, N. J.
McAleer, J. J.....70 East 123rd Street, New York, N. Y.
McCauley, J. F.....1479 60th Street, Brooklyn, N. Y.
Michaelson, J. E.....3508 91st Street, Jackson Heights, L. I., N. Y.
Miller, C. F.....4315 Grace Avenue, New York, N. Y.
Mittleman, G. D.....1943 71st Street, Brooklyn, N. Y.
Morrissey, J. J.....961 53rd Street, Brooklyn, N. Y.
Muhlsteff, F. G...100 W. 105th Street, New York, N. Y.

NIGHT SCHOOL OF ENGINEERING (Continued)

Section VI

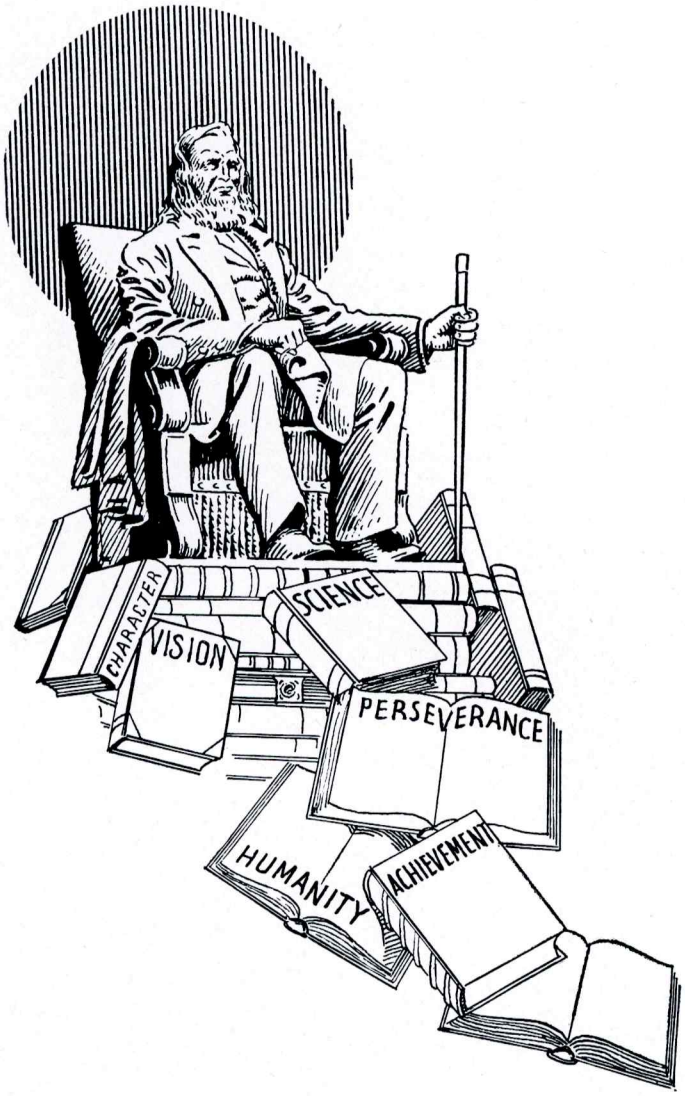
Nagin, W.....1916 71st Street, Brooklyn, N. Y.
Nathanson, A.... 1852 West 4th Street, Brooklyn, N. Y.
Nelson, H. M.....1946 Amsterdam Avenue, New York, N. Y.
Newman, S.....2830 West 24th Street, Brooklyn, N. Y.
Noss, A. B...718 Schenectady Avenue, Brooklyn, N. Y.
Novak, A.....2062 58th Street, Brooklyn, N. Y.
Nussbaum, A. L...22 Hawthorne Avenue, Yonkers, N. Y.
Oats, H. D.....99 Vincent Place, Lynbrook, L. I., N. Y.
Oestereicher, W. S.....1946 77th Street, Brooklyn, N. Y.
Oetting, A. F.....1670 East 49th Street, Brooklyn, N. Y.
Oldham, R. D.....119 2nd Avenue, Westwood, N. J.
Owendoff, R. A.....474 72nd Street, Brooklyn, N. Y.
Palmer, H. W...2515 Grand Concourse, New York, N. Y.
Paul, E. E.....2124 31st Street, Astoria, L. I., N. Y.
Perlstein, L. S.....1753 71st Street, Brooklyn, N. Y.
Peterson, H. H.....163 80th Street, Brooklyn, N. Y.
Phillips, G. M.....145 Columbia Avenue, North Bergen, N. J.
Phillips, J. C.....2316 Bedford Avenue, Brooklyn, N. Y.
Pickett, J. G.....3 Dayton Street, Elizabeth, N. J.
Pinto, A.....1725 70th Street, Brooklyn, N. Y.
Plant, I. I.....1700 Bryant Avenue, Bronx, N. Y.
Plumer, B.....547 East 168th Street, New York, N. Y.
Poock, W. R.....53 Park Place, Brooklyn, N. Y.
Potash, L.....104-20 115th Street, Richmond Hill, N. Y.
Pratt, C. H...65 Melbourne Avenue, Mamaroneck, N. Y.
Previte, R.....3732 64th Street, Woodside, L. I., N. Y.
Raboy, C.....1724 48th Street, Brooklyn, N. Y.
Rainbird, E. W..47 Chestnut Street, Rochelle Park, N. Y.

Section VII

Ginsberg, I.....1144 President Street, Brooklyn, N. Y.
Reck, C. W.....1806 Vyse Avenue, Bronx, N. Y.
Reich, S.....1756 Ocean Avenue, Brooklyn, N. Y.
Roeber, W. J.....410 West 51st Street, New York, N. Y.
Roistacher, L. D.....7005 19th Avenue, Brooklyn, N. Y.
Rosenberg, J.....56 New Jersey Avenue, Brooklyn, N. Y.
Rudahl, A. E.....408 North 10th Street, Fairview, N. J.
Russell, W. T.....2412 Matthews Avenue, Bronx, N. Y.
Salvato, L.....317 East 148th Street, New York, N. Y.
Sansevero, V. J.....945 St. Nicholas Avenue, Washington Heights, N. Y.
Saperstein, S.....1325 Lafayette Avenue, Bronx, N. Y.
Schieren, J.....310 East 4th Street, New York, N. Y.
Schlanger, J. L...166 West 87th Street, New York, N. Y.
Schmuteler, A. F.....51 Farrington Street, Flushing, L. I., N. Y.
Schoenberg, M...1815 East 2nd Street, Brooklyn, N. Y.
Schroger, A.....71 Ridge Street, New York, N. Y.
Shenker, S.....837 47th Street, Brooklyn, N. Y.
Shiskow, A.....393 Cator Avenue, Jersey City, N. J.
Shumsky, P.....547 Howard Avenue, Brooklyn, N. Y.
Sigman, S.....72 Lewis Street, New York, N. Y.
Silverman, M.....219 Herzl Street, Brooklyn, N. Y.
Sklar, A.....2942 West 36th Street, Coney Island, Brooklyn, N. Y.
Slaner, A. E.....17 Smith Street, Bloomfield, N. J.
Solkoff, E.....68 Central Avenue, Jersey City, N. J.
Sonberg, H. R..1166 West Farms Road, New York, N. Y.
Spice, R. P.....Mountain Avenue, Westwood, N. J.
Stauss, B.....200 New York Avenue, Union City, N. J.
Steckler, H.....947 Montgomery Street, Brooklyn, N. Y.
Sternberg, I. M.....1004 Union Street, Brooklyn, N. Y.

Section VIII

Stimpson, J. W.....8754 24th Avenue, Brooklyn, N. Y.
Strollo, E. T.....9530 125th Street, Richmond Hill, N. Y.
Swisher, J. V.....745 Knickerbocker Avenue, Brooklyn, N. Y.
Temple, H.....2520 Creston Avenue, New York, N. Y.
Tobey, L. A.....3044 34th Street, Astoria, L. I., N. Y.
Treisman, H.....667 Fox Street, Brooklyn, N. Y.
Troeger, H.....1201 Washington Street, Hoboken, N. J.
Turner, E. H.....7612 11th Avenue, Brooklyn, N. Y.
Ulshen, L. T.....558 West 149th Street, New York, N. Y.
Waldman, H. S...401 East 156th Street, New York, N. Y.
Walsh, E. J.....365 Fulton Avenue, Jersey City, N. J.
Wandel, C. R.....9611 133rd Avenue, Ozone Park, L. I., N. Y.
Weinhofer, J...96-10 32nd Avenue, Corona, L. I., N. Y.
Weipert, J. J...469 East 147th Street, New York, N. Y.
Weiser, T.....66 Pitt Street, New York, N. Y.
Weisman, C...1250 Grand Concourse, New York, N. Y.
Weitz, S. S.....529 Williams Avenue, Brooklyn, N. Y.
Welling, M.....496 East 95th Street, Brooklyn, N. Y.
Wenson, H. W.....3719 12th Street, Long Island City, N. Y.
Wernick, S.....551 Wales Avenue, Bronx, N. Y.
Wildman, M.....1936 East 8th Street, Brooklyn, N. Y.
Wilhelmy, F. W.....117 34th Street, Union City, N. J.
Wohlgemuth, A. J.....1151 East 165th Street, New York, N. Y.
Yaris, P.....2800 Bronx Park East, Bronx, N. Y.
Zuberbuhler, H. N..382 Roosevelt Street, Cliffside, N. J.
Zuckerman, M.....2024 Honeywell Avenue, Bronx, N. Y.



ADVERTISING

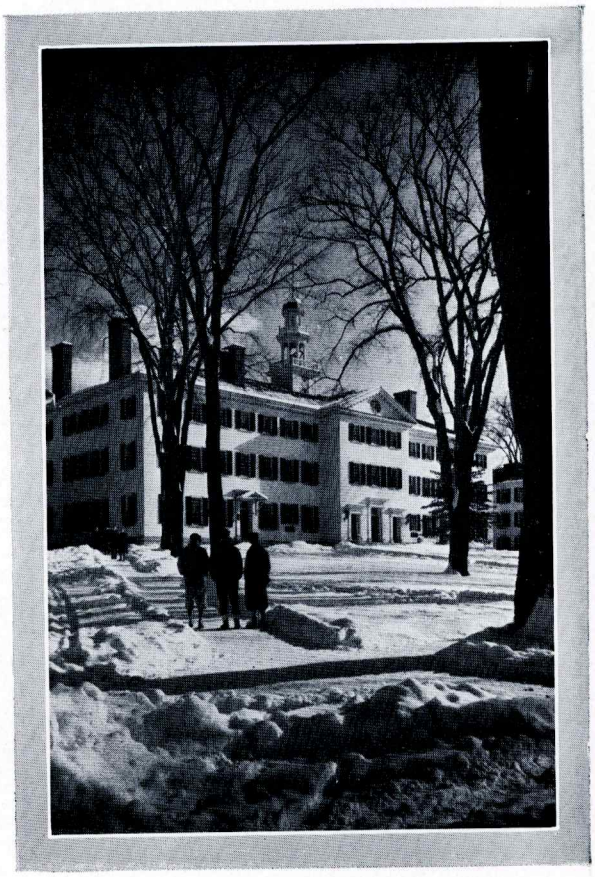
PATRONIZE OUR ADVERTISERS

THE CABLE BOARD WISHES TO TAKE THIS OPPORTUNITY OF THANKING SINCERELY THE ADVERTISERS WHOSE SPLENDID SUPPORT HAS HELPED US SO MUCH. WE EARNESTLY URGE THAT ALL STUDENTS COOPERATE WITH THE ADVERTISERS AS THEY HAVE COOPERATED WITH US AND THUS SHOW OUR APPRECIATION.

There is a reason why ◆ ◆ great Eastern Colleges choose to *"Give it to Schilling"* ◆ ◆

TO successfully portray in word and picture the events of a momentous college year . . . the high spots of a victorious season of football . . . the brilliance of ensuing social occasions . . . the plays . . . the debates . . . the everyday life of the campus . . . is a task that demands the best of skilled workmanship and the benefit of many years' experience.

That we *do* render such service is amply attested to by the fact that over forty colleges and schools . . . including both Government Academies . . . have repeatedly entrusted to us the making of their annuals.



◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆ ◆

THE SCHILLING PRESS, INC.
137-139 EAST 25th STREET, NEW YORK

Publications ◆ College Annuals ◆ Color Printing

IN KEEPING WITH THE SOUND PRINCIPLES OF BANKING

The Corn Exchange Bank Trust Co. stands for safe and conservative management of its depositors' funds; by this is meant that those funds will be invested only in the securities of, or loaned to, conservative and well-established concerns and for promoting legitimate business, and will not be loaned in speculative enterprises, even though this could be done at greater profit to the company.

CORN EXCHANGE BANK TRUST CO.

Established 1853

72 CONVENIENTLY LOCATED BRANCHES TO SERVE YOU

Compliments
of the

CIVIL ENGINEERING
CLASS of 1933

Compliments
of the

GENERAL SCIENCE
CLASS of 1935

CHARLES HEITMAN
Lunch Room

When ready for lunch
Come to me, the whole bunch,
Or you men at night
Who want just a bite.
My sandwiches, coffee and pie
Will your whole appetite satisfy.

21 SEVENTH STREET
NEW YORK

Compliments
of
F. H. WAKEHAM CO.

R & R
Typewriter Co.

EXPORT
WHOLESALE
RETAIL

"REMANUFACTURED"
TYPEWRITERS OF ALL MAKES

Special Rates to Students

503 Fifth Avenue New York

WORLD'S LARGEST
ACCORDION MANUFACTURERS

R. GALANTI & BROS. accordions chosen by the best artists for superiority in quality, tone, and design.

Every instrument unconditionally guaranteed.

Used instruments accepted in trade. Convenient terms arranged. Write or 'phone for catalog.

R. GALANTI & BROS.
71 - 3rd Ave. (bet. 11th & 12th Sts.)
NEW YORK, N. Y.
Phone—Tompkins Square 6-8186-8126

CONGRATULATIONS

from the

MEMBERS

of the

NIGHT ENGINEERING

CLASS OF 1938

Compliments
of the

SAGAMORE
CAFETERIA

19 THIRD AVENUE
NEW YORK, N. Y.

BLUE RIDGE
RAMBLERS

M. A. BYNDAS, Musical Director
ARTHUR F. KRAMER, Business Manager

1402 BEACH AVENUE
NEW YORK

Tel. Westchester 7-0714

A. ADLER DRUG STORE
"ON THE CORNER"
Fourth Avenue and Eighth Street
New York

THE STUYVESANT PRESS

27 Third Avenue 3 St. Marks Place
New York City

C. MEISEL, Inc.
Musical Instruments

4 St. Marks Place
New York City

Cooper Square
Cigar Co.

"NEXT TO THE SAGAMORE"
2 St. Marks Place
Near 3rd Ave.
New York

Tel. Drydock 9859
"Your name in gold on each wrapper."

This book is cased in an

S. K. SMITH COVER

a cover that is guaranteed to be satisfactory and is created and SMITHCRAFTED by an organization of craftsmen specializing in the creation and production of good covers. Whatever your cover requirements may be, this organization can satisfy them.

Send for Information and
Prices to

THE S. K. SMITH COMPANY
Western Ave. & George St. Chicago

ANOTHER ARTHUR STUDIO ANNUAL

The Arthur Studios, Inc., considers it a privilege to have been connected with MR. J. ROBERT MILLER, *Editor-in-Chief of the Cable, in the construction of this beautiful volume, and to thank him for his cooperation, which insured the success of this work.*

Bry 97342

Arthur Studios, Inc.
131 West 42nd Street *New York City*

Phone Murray Hill 2-1525

ROBERT E. ORR CO., Inc.
Engineers and
Contractors

Grand Central Terminal
Suite 4041
NEW YORK

Robt. E. Orr, B.S., C.E.
James Haines, C.E.

Boosters of
"1933"
CABLE

K. DREYER
G. FRIEDL
R. LAMMERS
F. TALLMAN
E. TWEEDY

COMPLIMENTS
OF
A FRIEND

CHAS. H.
BOHN
& CO., Inc.

BOOK MANUFACTURERS
of
FIRST CLASS
TEXTBOOKS
AND
COLLEGE ANNUALS

200 HUDSON STREET, NEW YORK CITY

SOUND managerial policies and long, successful experience have provided us with sufficient equipment, adequate personnel, and ample resources to render dependable service as artists and makers of fine printing plates. That you will be secure from chance, is our first promise.

JAHN & OLLIER ENGRAVING CO.

817 West Washington Blvd., - Chicago, Illinois

"Jahn and Ollier Again"

In the foreground - Ft. Dearborn re-erected in Grant Park on Chicago's lake front. Illustration by Jahn & Ollier Art Studios.

THE L. G. BALFOUR COMPANY

Attleboro, Massachusetts

MANUFACTURERS OF

Badges	Athletic Figures
Rings	Door Plates
Favors	Medals
Programs	Cups
Stationery	Trophies
Fraternity Jewelry	Medallions
Memorial Tablets	Plaques

Emblem Insignia

"KNOWN WHEREVER THERE ARE SCHOOLS AND COLLEGES"

New York Office: 535 Fifth Avenue

Congratulations

From The

Electrical Engineering

Class of '33

OMEGA DELTA PHI, Inc.

COMPLIMENTS

THE 1933 CABLE BOARD